

## ARG10900 anti-BarX2 antibody [BAR X2 8A7/1]

Package: 100 µg  
Store at: -20°C

### Summary

|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| Product Description | Mouse Monoclonal antibody [BAR X2 8A7/1] recognizes BarX2 |
| Tested Reactivity   | Hu                                                        |
| Tested Application  | ChIP, ELISA, ICC/IF, IHC-P, WB                            |
| Host                | Mouse                                                     |
| Clonality           | Monoclonal                                                |
| Clone               | BAR X2 8A7/1                                              |
| Isotype             | IgG1                                                      |
| Target Name         | BarX2                                                     |
| Species             | Human                                                     |
| Immunogen           | MBP-tagged BarX2                                          |
| Conjugation         | Un-conjugated                                             |
| Alternate Names     | Homeobox protein BarH-like 2                              |

### Application Instructions

| Application table | Application                                                                                                                                | Dilution        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                   | ChIP                                                                                                                                       | Assay-dependent |
|                   | ELISA                                                                                                                                      | Assay-dependent |
|                   | ICC/IF                                                                                                                                     | Assay-dependent |
|                   | IHC-P                                                                                                                                      | Assay-dependent |
|                   | WB                                                                                                                                         | Assay-dependent |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

### Properties

|                     |                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                         |
| Purification        | Purified by affinity chromatography.                                                                                                                                                                                                                                                                           |
| Buffer              | PBS and 0.02% Sodium azide.                                                                                                                                                                                                                                                                                    |
| Preservative        | 0.02% Sodium azide                                                                                                                                                                                                                                                                                             |
| Concentration       | 1 mg/ml                                                                                                                                                                                                                                                                                                        |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

Note

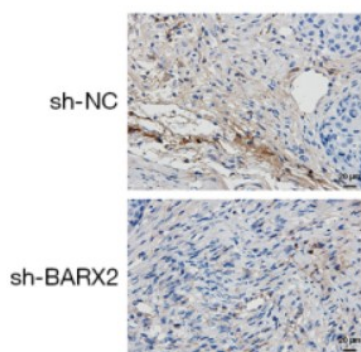
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

|                |                                                                                                                                                                                                                                                                                                                                                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol    | BARX2                                                                                                                                                                                                                                                                                                                                                              |
| Gene Full Name | BARX homeobox 2                                                                                                                                                                                                                                                                                                                                                    |
| Background     | This gene encodes a member of the homeobox transcription factor family. A highly related protein in mouse has been shown to influence cellular processes that control cell adhesion and remodeling of the actin cytoskeleton in myoblast fusion and chondrogenesis. The encoded protein may also play a role in cancer progression. [provided by RefSeq, Jul 2008] |
| Function       | Transcription factor. Binds optimally to the DNA consensus sequence 5'-YYTAATGRTTTT-3'. May control the expression of neural adhesion molecules such as L1 or Ng-CAM during embryonic development of both the central and peripheral nervous system. May be involved in controlling adhesive processes in keratinizing epithelia (By similarity). [UniProt]        |
| Calculated Mw  | 31 kDa                                                                                                                                                                                                                                                                                                                                                             |

## Images

L

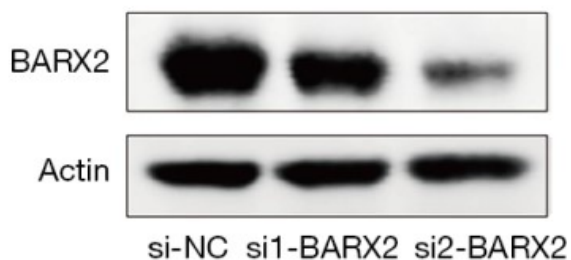


ARG10900 anti-BarX2 antibody [BAR X2 8A7/1] IHC-P image

Immunohistochemistry: Mouse tumor nodules stained with ARG10900 anti-BarX2 antibody [BAR X2 8A7/1] at 1:1000 dilution.

From Kai Xie et al. Transl Lung Cancer Res. (2022), [doi: 10.21037/tlcr-22-465](https://doi.org/10.21037/tlcr-22-465), Fig. 2L.

B



ARG10900 anti-BarX2 antibody [BAR X2 8A7/1] WB image

Western blot: LUAD cells stained with ARG10900 anti-BarX2 antibody [BAR X2 8A7/1] at 1:1000 dilution.

From Kai Xie et al. Transl Lung Cancer Res. (2022), [doi: 10.21037/tlcr-22-465](https://doi.org/10.21037/tlcr-22-465), Fig. 2B.