

## ARG41191 anti-IKBKAP antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes IKBKAP   |
| Tested Reactivity   | Hu, Ms, Rat  |
| Tested Application  | IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | IKBKAP   |
| Species             | Human  |
| Immunogen           | Recombinant fusion protein corresponding to aa. 1093-1332 of Human IKBKAP (NP_003631.2).   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | Elongator complex protein 1; IkbppB kinase complex-associated protein; IKAP; DYS; TOT1; FD; IKK complex-associated protein; p150; IKI3; ELP1 |

### Application Instructions

| Application table | Application  | Dilution        |
|-------------------|--|-----------------|
|                   | IHC-P  | 1:50 - 1:200    |
|                   | WB   | 1:1000 - 1:4000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |
| Positive Control  | HeLa   |                 |
| Observed Size     | 150 kDa  |                 |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| 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. 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           | IKBKAP  |
| Gene Full Name        | inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein  |
| Background            | The protein encoded by this gene is a scaffold protein and a regulator for 3 different kinases involved in proinflammatory signaling. This encoded protein can bind NF-kappa-B-inducing kinase (NIK) and IKKs through separate domains and assemble them into an active kinase complex. Mutations in this gene have been associated with familial dysautonomia. [provided by RefSeq, Jul 2008]  |
| Function              | <p>May act as a scaffold protein that may assemble active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK).</p> <p>Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4. Involved in cell migration. Involved in neurogenesis (By similarity). Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (By similarity). [UniProt]</p> |
| Calculated Mw         | 150 kDa   |
| Cellular Localization | Cytoplasm. Nucleus. [UniProt]   |

## Images



HeLa

ARG41191 anti-IKBKAP antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG41191 anti-IKBKAP antibody at 1:1000 dilution.