

ARG45215 anti-PPFIA1 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes PPFIA1 |
| Tested Reactivity | Hu |
| Tested Application | ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Target Name | PPFIA1 |
| Species | Human |
| Immunogen | Recombinant protein containing to human PPFIA1. |
| Conjugation | Un-conjugated |
| Alternate Names | PPFIA1; PTPRF Interacting Protein Alpha 1; LIPRIN; LIP.1; Protein Tyrosine Phosphatase, Receptor Type, F Polypeptide (PTPRF), Interacting Protein (Liprin), Alpha 1; Protein Tyrosine Phosphatase Receptor Type F Polypeptide-Interacting Protein Alpha-1; LAR-Interacting Protein 1; Liprin-Alpha-1; Liprin-Alpha1; LIP-1; LIP1; PTPRF-Interacting Protein Alpha-1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------|
| | ICC/IF | 5 µg/ml |
| | IHC-P | 2-5 µg/ml |
| | WB | 0.25-0.5 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | 160 kDa | |

Properties

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|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose. |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 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.

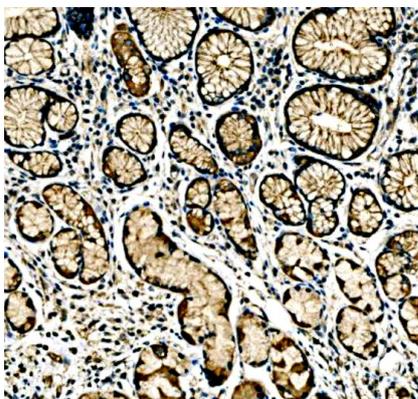
Note

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

Bioinformation

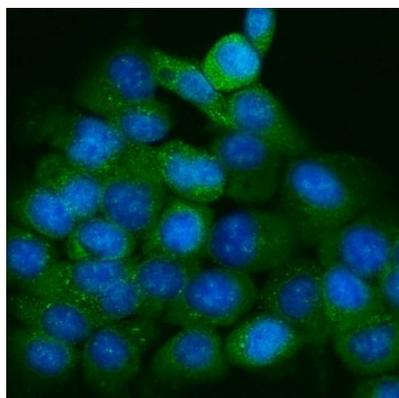
| | |
|-----------------------|--|
| Gene Symbol | PPFIA1 |
| Gene Full Name | PTPRF Interacting Protein Alpha 1 |
| Background | The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. This protein binds to the intracellular membrane-distal phosphatase domain of tyrosine phosphatase LAR, and appears to localize LAR to cell focal adhesions. This interaction may regulate the disassembly of focal adhesion and thus help orchestrate cell-matrix interactions. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008] |
| Function | May regulate the disassembly of focal adhesions. May localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates.. [UniProt] |
| Calculated Mw | 135 kDa |
| PTM | Phosphoprotein. [UniProt] |
| Cellular Localization | Cytoplasm. [UniProt] |

Images



ARG45215 anti-PPFIA1 antibody IHC-P image

Immunohistochemistry: Human gastric signet ring cell carcinoma stained with ARG45215 anti-PPFIA1 antibody at 2 µg/ml dilution.



ARG45215 anti-PPFIA1 antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45215 anti-PPFIA1 antibody at 5 µg/ml dilution.

ARG45215 anti-PPFIA1 antibody WB image

Western blot: HeLa, 293T, and MCF-7 stained with ARG45215 anti-PPFIA1 antibody at 0.5 µg/ml dilution.

