

CAPRIN2 Rabbit pAb

CatalogNo: YN6697

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 124kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human CAPRIN2

Specificity This antibody detects endogenous levels of CAPRIN2 at Human, Mouse

Target Information

Gene name CAPRIN2 C1QDC1 EEG1 KIAA1873 RNG140

Protein Name Caprin-2 (C1q domain-containing protein 1) (Cytoplasmic activation/proliferation-associated protein 2) (Gastric cancer multidrug resistance-associated protein) (Protein EEG-1) (RNA granule protein 140)

Organism	Gene ID	UniProt ID
Human	65981 ;	Q6IMN6 ;
Mouse	232560 ;	Q05A80 ;

Cellular Localization [Isoform 1]: Cytoplasm.; [Isoform 2]: Mitochondrion. Cytoplasm. Expressed throughout the cytoplasm.; [Isoform 5]: Mitochondrion. Colocalizes with aggregated mitochondria.; Cell membrane ; Peripheral membrane protein .

Tissue specificity Detected in all tissues tested with highest levels of expression in brain and spleen.

Function Promotes phosphorylation of the Wnt coreceptor LRP6, leading to increased activity of the canonical Wnt signaling pathway . Facilitates constitutive LRP6 phosphorylation by CDK14/CCNY during G2/M stage of the cell cycle, which may potentiate cells for Wnt signaling . May regulate the transport and translation of mRNAs, modulating for instance the expression of proteins involved in synaptic plasticity in neurons (By similarity). Involved in regulation of growth as erythroblasts shift from a highly proliferative state towards their terminal phase of differentiation . May be involved in apoptosis .

Validation Data

Contact information

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CAPRIN2 Rabbit pAb

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