

Anti-FHOD3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted: Human, Mouse, Chicken, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 159 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FHOD3 Polyclonal Antibody, Unconjugated (TMAB-06016) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FHOD3 Polyclonal Antibody, Unconjugated (TMAB-06016) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	3. Tissue/cell: Rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FHOD3 Polyclonal Antibody, Unconjugated (TMAB-06016) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P, IHC-Fr, IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Supervillin
Antigen Species: Human
Gene ID: 80206
Uniprot ID: Q2V2M9

Research Background

FHOD3 (formin homology 2 domain containing 3), also known as FHOS2 or KIAA1695, is a 1,422 amino acid protein that localizes to both the cytoplasm and the cytoskeleton and contains one DAD domain, one FH1 domain, one FH2 domain and one GBD/FH3 domain. Expressed in brain, heart and kidney, FHOD3 interacts with intermediate filaments and functions as an Actin-organizing protein that is thought to promote the formation of stress fibers in conjunction with cellular elongation. Multiple isoforms of FHOD3 exist due to alternative splicing events. The gene encoding FHOD3 maps to human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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