10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SH3D19 Rabbit pAb

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Catalog # AP57912

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5HYK7
Reactivity	Rat, Mouse
Predicted	Dog, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86525
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SH3D19
Epitope Specificity	301-400/790
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Is recruited to the nucleus by the MLL-EEN fusion protein;.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a multiple SH3 domain-containing protein, which interacts with other proteins, such as EBP and members of ADAM family, via the SH3 domains. This protein may be involved in suppression of Ras-induced cellular transformation and Ras-mediated activation of ELK1 by EBP, and regulation of ADAM proteins in the signaling of EGFR-ligand shedding. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Additional Information

Gene ID	152503
Other Names	SH3 domain-containing protein 19, ADAM-binding protein Eve-1, EEN-binding protein, EBP, SH3D19
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SH3D19
Function	May play a role in regulating A disintegrin and metalloproteases (ADAMs) in the signaling of EGFR-ligand shedding (PubMed:15280379). May be involved in suppression of Ras-induced cellular transformation and Ras-mediated activation of ELK1 (PubMed:14551139). Required for regulation of cell morphology and cytoskeletal organization (PubMed:21834987).
Cellular Location	Cytoplasm. Nucleus. Note=Is recruited to the nucleus by the KMT2A/MLL1-EEN fusion protein
Tissue Location	Widely expressed with highest levels in heart, skeletal muscle, kidney, liver, placenta, small intestine and lung Expressed at low levels in colon, thymus, spleen and leukocytes

Background

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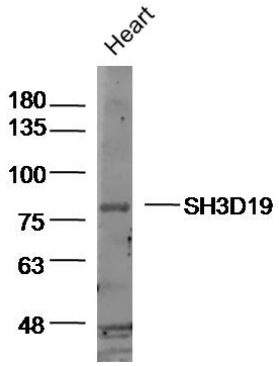
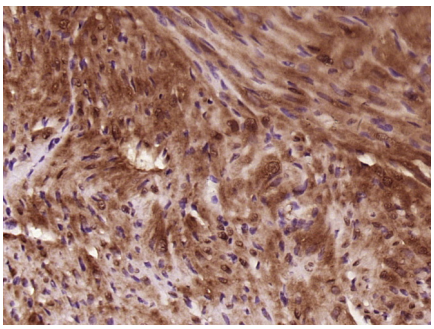
Images



Sample: Heart (mouse)cell Lysate at 40 ug
Primary: Anti- SH3D19 (AP57912)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 86 kD
Observed band size:86 kD



Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3D19) Polyclonal Antibody, Unconjugated (AP57912) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.