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DAP1 Rabbit pAb

Catalog # AP99463

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P51397
Other Accession	P51397
Reactivity	Rat, Human
Predicted	Pig, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11165
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DAP1
Epitope Specificity	61-102/102
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Post-translational modifications	Phosphorylated. Phosphorylation by MTOR inhibits the suppressive activity of DAP toward autophagy.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	his gene encodes a basic, proline-rich, 15-kD protein. The protein acts as a positive mediator of programmed cell death that is induced by interferon-gamma.

Additional Information

Gene ID	1611
Other Names	DAP1; 4921531N22Rik; Rap7a; DAP1_HUMAN; DAP; DAP-1; DAP1_MOUSE; DAP1_RAT; death associated protein; death associated protein 1
Dilution	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	DAP (HGNC:2672)
Function	Ribosome-binding protein involved in ribosome hibernation, a process during which ribosomes are stabilized in an inactive state and preserved from

proteasomal degradation (By similarity). Acts via its association with eiF5a (EIF5A and EIF5A2) at the polypeptide exit tunnel of the ribosome, preventing mRNA translation (By similarity). Involved in ribosome hibernation in the mature oocyte by preventing mRNA translation, leading to ribosome inactivation (By similarity). Ribosomes, which are produced in large quantities during oogenesis, are stored and translationally repressed in the oocyte and early embryo (By similarity). Also acts as a negative regulator of autophagy (PubMed:20537536). Involved in mediating interferon-gamma-induced cell death (PubMed:7828849).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.