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FLASH Rabbit pAb

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Catalog # AP58085

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UKL3
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	222658
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FLASH/CASP8AP2
Epitope Specificity	1861-1982/1982
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Note=Localizes to discrete nuclear foci.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FLASH is involved in Fas induced apoptosis. It is recruited to Fas after the receptor cross-linking. Overexpression of wild type of FLASH facilitates and its dominant negative form inhibits Fas induced apoptosis. FLASH interacts with the DEDs of caspase-8 and FADD through the DED-like domain of FLASH and mediates activation of caspase-8. There are parallels between FLASH and Apaf-1/CED-4 although there are arguments against their structural similarity. Studies of FLASH protein suggested that this protein may be a component of the death inducing signaling complex that includes Fas receptor, Fas binding adapter FADD, and caspase 8, and plays a regulatory role in Fas mediated apoptosis.

Additional Information

Gene ID	9994
Other Names	CASP8-associated protein 2, FLICE-associated huge protein, CASP8AP2 (HGNC:1510)
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.

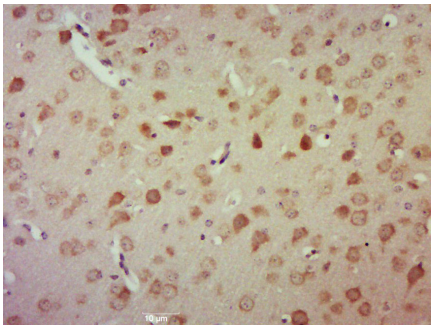
Protein Information

Name	CASP8AP2 (HGNC:1510)
Function	Participates in TNF-induced blockade of glucocorticoid receptor (GR) transactivation at the nuclear receptor coactivator level, upstream and independently of NF-kappa-B (PubMed:12477726, PubMed:15698540). Suppresses both NCOA2- and NCOA3-induced enhancement of GR transactivation (PubMed:12477726, PubMed:15698540). Involved in TNF-induced activation of NF-kappa-B via a TRAF2-dependent pathway (By similarity). Acts as a downstream mediator for CASP8-induced activation of NF-kappa-B (PubMed:17245429). Required for the activation of CASP8 in FAS-mediated apoptosis (PubMed:17245429). Involved for histone gene transcription and progression through S phase: required for the generation of mature histone mRNAs following the 3' end cleavage of histone pre-mRNAs (PubMed:17003125, PubMed:19854135, PubMed:32367068).
Cellular Location	Cytoplasm. Nucleus. Nucleus, PML body. Mitochondrion. Note=Exported from the nucleus to the mitochondria upon FAS activation

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (FLASH) Polyclonal Antibody, Unconjugated (AP58085) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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