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PELI3 Rabbit pAb

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Catalog # AP54901

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8N2H9
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50755
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PELI3
Epitope Specificity	301-400/468
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a scaffold protein and an intermediate signaling protein in the innate immune response pathway. The encoded protein helps transmit the immune response signal from Toll-like receptors to IRAK1/TRAF6 complexes. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]

Additional Information

Gene ID	246330
Other Names	E3 ubiquitin-protein ligase pellino homolog 3, Pellino-3, 2.3.2.27, PELI3 (HGNC:30010)
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

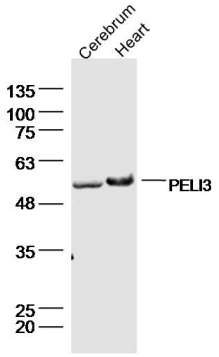
Name	PELI3 (HGNC:30010)
Function	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties

	onto substrate proteins (PubMed:12874243, PubMed:17675297). Involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6 (PubMed:12874243). Mediates 'Lys-63'-linked polyubiquitination of IRAK1 (PubMed:12874243). Can activate AP1/JUN and ELK1 (PubMed:12874243). Acts as a regulator of innate immunity by mediating 'Lys-63'-linked polyubiquitination of RIPK2 downstream of NOD1 and NOD2, thereby transforming RIPK2 into a scaffolding protein for downstream effectors, ultimately leading to activation of the NF-kappa-B and MAP kinases signaling (By similarity). Catalyzes 'Lys-63'-linked polyubiquitination of RIPK2 in parallel of XIAP (By similarity).
Tissue Location	Highly expressed in brain, heart and testis, and at lower level in kidney, liver, lung, placenta, small intestine, spleen and stomach. Isoform 1 is not expressed in lung

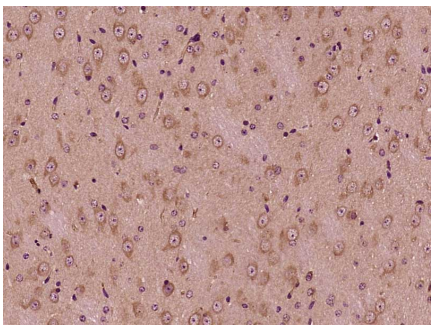
Background

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Images



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Heart (Mouse) Lysate at 40 ug
Primary: Anti-PELI3 (AP54901) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD



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 (PELI3) Polyclonal Antibody, Unconjugated (AP54901) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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