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Pellino 2 Rabbit pAb

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Catalog # AP54903

Product Information

Application	WB
Primary Accession	Q9HAT8
Reactivity	Mouse
Predicted	Pig, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46435
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Pellino 2
Epitope Specificity	301-400/420
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	Scaffold protein which probably links Toll like receptors (TLRs) to basic cellular processes via its interaction with the complex containing IRAK (IL1R associated kinase) kinases and TRAF6. Can activate the MAP (mitogen activated protein) kinase pathway leading to activation of ELK1. Not required for NF-kappa-B activation.

Additional Information

Gene ID	57161
Other Names	E3 ubiquitin-protein ligase pellino homolog 2, Pellino-2, 2.3.2.27, RING-type E3 ubiquitin transferase pellino homolog 2, PELI2
Dilution	WB=1:500-2000
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

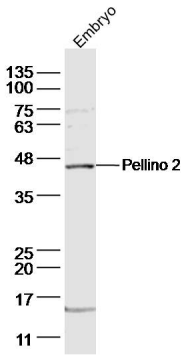
Name	PELI2 {ECO:0000303|PubMed:38917796, ECO:0000312|HGNC:HGNC:8828}
Function	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties

onto substrate proteins (PubMed:17675297, PubMed:17997719, PubMed:38917796). Specifically recognizes and binds proteins phosphorylated on threonine residues (PubMed:19081057, PubMed:38917796). Involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6 (PubMed:12860405, PubMed:17997719, PubMed:22669975). Mediates IL1B-induced IRAK1 'Lys-63'-linked polyubiquitination and possibly 'Lys-48'- linked ubiquitination (PubMed:12860405, PubMed:17997719). Acts as a negative regulator of cGAS-STING signaling: recognizes and binds phosphorylated STING1 and mediates 'Lys-63'-linked polyubiquitination of TBK1, inhibiting cGAS-STING signaling, while simultaneously enhancing the STING1-dependent NF-kappa-B axis (PubMed:38917796). May be important for LPS- and IL1B-induced MAP3K7-dependent, but not MAP3K3-dependent, NF-kappa-B activation (PubMed:12804775). Can activate the MAP (mitogen activated protein) kinase pathway leading to activation of ELK1 (PubMed:12804775).

Background

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Images



Sample: Embryo (mouse) Lysate at 40 ug
Primary: Anti-Pellino2 (AP54903) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 46 kD
Observed band size: 46 kD

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