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Anti-NIP45 Antibody

Catalog # AP54054

Product Information

Application	WB
Primary Accession	Q8NCF5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45817

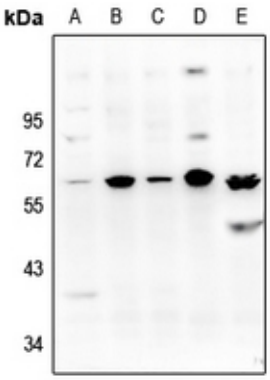
Additional Information

Gene ID	84901
Other Names	NIP45; NFATC2-interacting protein; 45 kDa NF-AT-interacting protein; 45 kDa NFAT-interacting protein; Nuclear factor of activated T-cells cytoplasmic 2-interacting protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NIP45. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	NFATC2IP
Synonyms	NIP45
Function	In T-helper 2 (Th2) cells, regulates the magnitude of NFAT- driven transcription of a specific subset of cytokine genes, including IL3, IL4, IL5 and IL13, but not IL2. Recruits PRMT1 to the IL4 promoter; this leads to enhancement of histone H4 'Arg-3'-methylation and facilitates subsequent histone acetylation at the IL4 locus, thus promotes robust cytokine expression (By similarity). Down-regulates formation of poly-SUMO chains by UBE2I/UBC9 (By similarity).
Cellular Location	Nucleus. Cytoplasm. Note=TRAF1 is associated with a fraction of NFATC2IP in the cytoplasm and prevents its translocation to the nucleus.

Images



Western blot analysis of NIP45 expression in Hela (A), HEK293T (B), MCF7 (C), SP20 (D), C6 (E) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 60 kD)

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