

KIAA0748 Rabbit pAb

Catalog # AP97126

Product Information

Application	WB
Primary Accession	A2RU30
Other Accession	A2RU30
Reactivity	Human
Predicted	Rat, Pig, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59213
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIAA0748
Epitope Specificity	101-200/521
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts with PLCG1 and GRB2; the association is increased with prolonged stimulation of the TCR and may facilitate the assembly of the LAT signalosome. Interacts with ITPR1. Also interacts with ITPR3 (By similarity). Interacts with HSPA9.
Post-translational modifications	May be phosphorylated in response to store-operated Ca(+2) entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	9840
Other Names	HSPC257; ITPRID3; KIAA0748; TESP1_HUMAN; TESPA1; Thymocyte-expressed positive selection-associated protein 1; thymocyte expressed, positive selection associated 1
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	TESPA1
Synonyms	KIAA0748

Function	Required for the development and maturation of T-cells, its function being essential for the late stages of thymocyte development (By similarity). Plays a role in T-cell antigen receptor (TCR)-mediated activation of the ERK and NFAT signaling pathways, possibly by serving as a scaffolding protein that promotes the assembly of the LAT signalosome in thymocytes. May play a role in the regulation of inositol 1,4,5-trisphosphate receptor-mediated Ca(2+) release and mitochondrial Ca(2+) uptake via the mitochondria-associated endoplasmic reticulum membrane (MAM) compartment.
Cellular Location	Cytoplasm. Endoplasmic reticulum membrane. Note=May localize to mitochondria- associated endoplasmic reticulum membrane (MAM)

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