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Anti-ETAA1 Antibody

Catalog # AP53736

Product Information

Application	WB
Primary Accession	Q9NY74
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103440

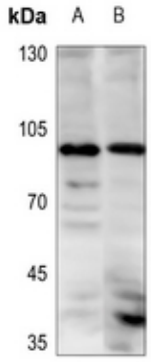
Additional Information

Gene ID	54465
Other Names	ETAA16; Ewing's tumor-associated antigen 1; Ewing's tumor-associated antigen 16
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ETAA1. 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	ETAA1 (HGNC:24648)
Function	Replication stress response protein that accumulates at DNA damage sites and promotes replication fork progression and integrity (PubMed:27601467, PubMed:27723717, PubMed:27723720). Recruited to stalled replication forks via interaction with the RPA complex and directly stimulates ATR kinase activity independently of TOPBP1 (PubMed:27723717, PubMed:27723720, PubMed:30139873). Probably only regulates a subset of ATR targets (PubMed:27723717, PubMed:27723720).
Cellular Location	Nucleus Note=Localizes at sites of DNA damage following replication stress (PubMed:27601467, PubMed:27723717, PubMed:27723720). Recruited to stalled replication forks via interaction with RPA1 and RPA2 subunits of the RPA complex (PubMed:27601467, PubMed:27723720)
Tissue Location	Expressed at high levels in the brain, liver kidney and Ewing tumor cell lines.

Images



Western blot analysis of ETAA1 expression in mouse muscle (A), rat muscle (B) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 103 kD)

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