

ETAA1 Rabbit mAb

Catalog # AP75413

Product Information

Application	WB
Primary Accession	Q9NY74
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	103440

Additional Information

Gene ID	54465
Other Names	ETAA1
Dilution	WB~~1:500-1:1000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

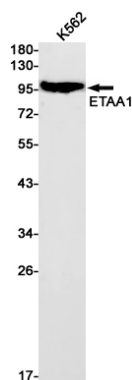
Protein Information

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.

Background

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).

Images



Western blot analysis of ETAA1 in K562 lysates using ETAA1 antibody.

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