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# 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

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|---|---|
| **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. |

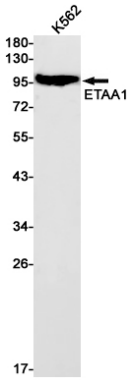
## Protein Information

| | |
|---|---|
| **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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