

Phospho-SAMHD1 (Thr592) Rabbit Polyclonal Antibody

Catalog #: EAB10875

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|--------------|----------|-------------------|
| Rabbit IgG | Polyclonal | WB | 72 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting) 1:500-2000

Product Information

| | |
|-----------------------|---|
| Conjugate | Unconjugate |
| Specificity | Phospho-SAMHD1 (Thr592) Rabbit Polyclonal Antibody detects endogenous levels of SAMDH1 protein only when phosphorylated at Thr592. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | Q9Y3Z3 |
| Entrez-Gene Id | 25939 |

Product Description

SAMHD1, highly expressed by monocytes and monocyte-derived dendritic cells and by monocyte-derived macrophages at a lower extent, is reported as an HIV-1 restriction factor that inhibits the early step of the HIV-1 life cycle. Vpx (virus-like particles containing viral protein X) could overcome this block by interacting with SAMHD1, inducing proteasome-dependent degradation of SAMHD1. Mutations in SAMHD1 cause Aicardi-Goutières syndrome, a genetic encephalopathy with presumed immune pathogenesis. Three alternatively spliced transcripts encoding different isoforms have been described.

For Reserch Use Only. Not For Use In Diagnostic Procedures