

## Aprataxin Rabbit mAb

Catalog No: #52153



Package Size: #52153-1 50ul #52153-2 100ul

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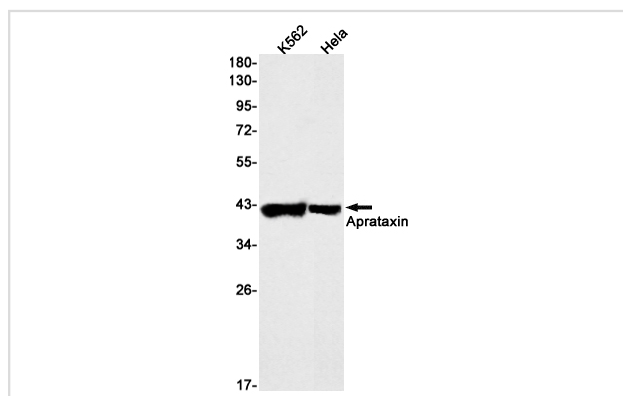
## Description

Product Name	Aprataxin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-9F6
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human Aprataxin
Conjugates	Unconjugated
Modification	Unmodification
Other Names	AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT
Accession No.	Swiss-Prot:Q7Z2E3GeneID:54840
Calculated MW	Calculated MW: 41 kDa; Observed MW: 41 kDa
Formulation	50nM 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.

## Application Details

WB: 1/1000;

## Images



Western blot detection of Aprataxin in K562, HeLa cell lysates using Aprataxin Rabbit mAb (1:1000 diluted). Predicted band size: 41 kDa. Observed band size: 41 kDa.

## Background

Swiss-Prot Acc. Q7Z2E3. DNA-binding protein involved in single-strand DNA break repair, double-strand DNA break repair and base excision repair (PubMed:15380105, PubMed:15044383, PubMed:16964241, PubMed:17276982, PubMed:24362567). Resolves abortive DNA ligation intermediates formed either at base excision sites, or when DNA ligases attempt to repair non-ligatable breaks induced by reactive oxygen species

(PubMed:16964241, PubMed:24362567). Catalyzes the release of adenylate groups covalently linked to 5'-phosphate termini, resulting in the production of 5'-phosphate termini that can be efficiently rejoined (PubMed:16964241, PubMed:17276982, PubMed:24362567). Also able to hydrolyze adenosine 5'-monophosphoramidate (AMP-NH<sub>2</sub>) and diadenosine tetraphosphate (AppppA), but with lower catalytic activity (PubMed:16547001). Likewise, catalyzes the release of 3'-linked guanosine (DNAppG) and inosine (DNAppI) from DNA, but has higher specific activity with 5'-linked adenosine (AppDNA) .

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.