

产品名称: Aprataxin Rabbit Monoclonal Antibody
产品货号: AMRe85300



产品概述 (Summary)

产品名称 (Production Name)	Aprataxin Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	Aprataxin
别名 (Alternative Names)	AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT
基因 ID (Gene ID)	54840.0
蛋白 ID (SwissProt ID)	Q7Z2E3.A synthetic peptide of human Aprataxin

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000, ICC 1:50-1:200
蛋白分子量 (Molecular Weight)	Calculated MW: 41 kDa; Observed MW: 41 kDa

研究背景 (Background)

DNA-binding protein involved in single-strand DNA break repair, double-strand DNA break repair and base excision repair

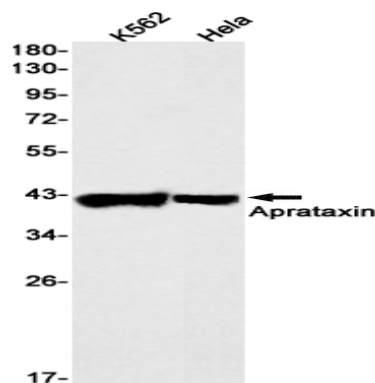
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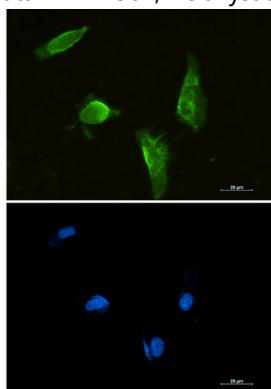
(PubMed:15380105, PubMed:15044383, PubMed:16964241, PubMed:17276982, PubMed:24362567). Resolves abortive DNA ligation intermediates formed either at base excision sites, or when DNA ligases attempt to repair non-ligatable breaks induced by reactive oxygen species (PubMed:16964241, PubMed:24362567). Catalyzes 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-NH₂) 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) .

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of Aprataxin in K562, HeLa lysates using Aprataxin antibody.



Immunocytochemistry analysis of Aprataxin (green) in U87-MG using Aprataxin antibody, and DAPI (blue).

注意事项 (Note)

For research use only .