



Rabbit Anti-ETS1 associated protein II antibody

SL5164R

Product Name:	ETS1 associated protein II
Chinese Name:	ETS1相关蛋白2抗体
Alias:	EAP 2; EAP II; EAP2; EAPII; ETS 1 associated protein 2; ETS 1 associated protein II; ETS1 associated protein 2; ETS1-associated protein 2; ETS1-associated protein II; tdp2; TRAF and TNF receptor associated protein; TRAF and TNF receptor-associated protein; TTRAP; TYDP2_HUMAN; Tyr DNA phosphodiesterase 2; Tyr-DNA phosphodiesterase 2; Tyrosyl DNA phosphodiesterase 2; Tyrosyl-DNA phosphodiesterase 2; 5"-Tyr-DNA phosphodiesterase; 5"-tyrosyl-DNA phosphodiesterase; AD 022; AD022; MGC111021; MGC9099.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ETS1 associated protein II/EAPII:201-300/362
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 5'-phosphodiester bond, giving rise to DNA with a free 5' phosphate. Catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase 2 (TOP2) active site tyrosine residue. Hydrolyzes 5'-phosphoglycolates on protruding 5' ends on DNA double-strand breaks (DSBs) due to DNA damage by radiation and free radicals. The 5'-tyrosyl DNA phosphodiesterase activity can enable the repair of TOP2-induced DSBs without the need for nuclease activity, creating a 'clean' DSB with 5'-phosphate termini that are ready for ligation. Has also 3'-tyrosyl DNA phosphodiesterase activity, but less efficiently and much slower than TDP1. May also act as a negative regulator of ETS1 and may inhibit nuclear factor-kappa-B activation.

Function:

DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 5'-phosphodiester bond, giving rise to DNA with a free 5' phosphate. Catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase 2 (TOP2) active site tyrosine residue. Hydrolyzes 5'-phosphoglycolates on protruding 5' ends on DNA double-strand breaks (DSBs) due to DNA damage by radiation and free radicals. The 5'-tyrosyl DNA phosphodiesterase activity can enable the repair of TOP2-induced DSBs without the need for nuclease activity, creating a 'clean' DSB with 5'-phosphate termini that are ready for ligation. Has also 3'-tyrosyl DNA phosphodiesterase activity, but less efficiently and much slower than TDP1. May also act as a negative regulator of ETS1 and may inhibit nuclear factor-kappa-B activation.

Product Detail:

Subunit:

Interacts with TRAF2, TRAF3, TRAF5, TRAF6, TNFRSF8/CD30, TNFRSF5/CD40, TNFRSF1B/TNF-R75, ETS1, ETS2, FLI1, SMAD3 and ACVR1B/ALK4.

Subcellular Location:

Nucleus. Nucleus, PML body.

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the CCR4/nocturin family.

SWISS:

O95551

Gene ID:

51567

Database links:

[Entrez Gene: 51567](#) Human

[Oimim: 605764](#) Human

[SwissProt: O95551](#) Human

[Unigene: 728795](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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