

Goat anti-TREX2 Antibody

Item Number	dAP-1729
Target Molecule	Principle Name: TREX2; Official Symbol: TREX2; All Names and Symbols: three prime repair exonuclease 2; 3'-5' exonuclease; Accession Number (s): NP_542432.2; Human Gene ID(s): 11219; Non-Human Gene-ID(s):
Immunogen	HRSSLENPEHDES, is from internal region
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Preliminary experiments gave an approx 18kDa band in lysates of Jurkat, MOLT4 and U937 after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculate
IHC	Immunohistochemistry: In paraffin embedded Human Breast shows nuclear staining in the luminal epithelial duct cells. Recommended concentration, 3-6µg/ml.

Reference	Reference(s): de Silva U, Choudhury S, Bailey SL, Harvey S, Perrino FW, Hollis T. The crystal structure of TREX1 explains the 3' nucleotide specificity and reveals a polyproline II helix for protein partnering. J Biol Chem. 2007 Apr;282(14):10537-43. Epub 2007 Feb 9..PMID: 17293595 ->
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**