

Goat anti-TIM50 Antibody

Item Number	dAP-0533
Target Molecule	Principle Name: TIM50; Official Symbol: TIMM50; All Names and Symbols: TIMM50; TIM50L; translocase of inner mitochondrial membrane 50 homolog (yeast); Tim50-like protein; homolog of yeast Tim50; translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae); MGC102733; TIM50; Accession Number (s): NP_001001563.1; Human Gene ID(s): 92609; Non-Human GenID(s):
Immunogen	CDVRTVLEHYALEDD, is from internal region This antibody is expected to recognise an epitope corresponding to aa 396-409 of human TIM50.
Applications	Pep ELISA, WB 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 16000.
Western Blot	Western Blot: Experiments gave bands at approx 40kDa in Human Heart lysate after 0.5µg/ml antibody staining. This band corresponds to earlier findings in literature with different antibodies (PMID: 15044455). This protein has a calculated MW of 50.5kDa
IHC	
Reference	Reference(s): Guo Y, Cheong N, Zhang Z, De Rose R, Deng Y, Farber SA, Fernandes-Alnemri T, Alnemri ES. Tim50, a component of the mitochondrial translocator, regulates mitochondrial integrity and cell death. J Biol Chem. 2004 Jun 4;279(23):24813-25. Epub 2004 Mar 25.. PMID: 15044455 ->

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 end users! This product is sold for **Research Use Only**