

## Goat anti-Catalase / CAT Antibody

<b>Item Number</b>	dAP-0874
<b>Target Molecule</b>	Principle Name: Catalase / CAT; Official Symbol: CAT; All Names and Symbols: CAT; catalase ; HGNC:1516; MGC138422; MGC138424; Accession Number (s): NP_001743.1; Human Gene ID(s): 847; Non-Human GeneID(s): 12359 (mouse)
<b>Immunogen</b>	DKYNAEKPKNAIHT, is from internal region
<b>Applications</b>	Pep ELISA, WB, IHC Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 60kDa band observed in Human Kidney lysates (calculated MW of 59.8kDa according to NP_001743.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Liver shows vesicular staining in the cytoplasm of hepatocytes. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Spleen. Recommended concentration: 2µg/ml.
<b>Reference</b>	Reference(s): Schriner SE, Linford NJ, Martin GM, Treuting P, Ogburn CE, Emond M, Coskun PE, Ladiges W, Wolf N, Van Remmen H, Wallace DC, Rabinovitch PS. Extension of murine life span by overexpression of catalase targeted to mitochondria. Science. 2005 Jun 24;308(5730):1909-11. Epub 2005 May 5. .PMID:

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**