

Goat anti-KEAP1 (aa41-53) Antibody

Item Number	dAP-2390
Target Molecule	Principle Name: KEAP1 (aa41-53); Official Symbol: KEAP1; All Names and Symbols: KEAP1; kelch-like ECH-associated protein 1; INrf2; KIAA0132; KLHL19; MGC10630; MGC1114; MGC20887; MGC4407; MGC9454; cytosolic inhibitor of Nrf2; kelch-like protein 19; Accession Number (s): NP_036421.2; Human Gene ID(s): 9817; Non-Human GenID(s): 50868 (mouse) 117519 (rat)
Immunogen	EVTPSQHGNRTFS, is from internal region (near N Terminus) Reported variants represent identical protein: NP_036421.2, NP_987096.1
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
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 32000.
Western Blot	Western Blot: Approx 75kDa band observed in lysates of cell lines HeLa and NIH3T3 (calculated MW of 69.7kDa according to Human NP_036421.2 and of 69.6kDa according to Mouse NP_057888.1). Recommended concentration: 0.2-0.6µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Cerebellum shows textured cytoplasm staining in Purkinje cell and processes. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Dinkova-Kostova AT, Talalay P, Sharkey J, Zhang Y, Holtzclaw WD, Wang XJ, David E, Schiavoni KH, Finlayson S, Mierke DF, Honda T. An exceptionally potent inducer of cytoprotective enzymes: elucidation of the structural features that determine inducer potency and reactivity with Keap1. J

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**