

Goat anti-HMOX2 Antibody

Item Number	dAP-1848
Target Molecule	Principle Name: HMOX2; Official Symbol: HMOX2; All Names and Symbols: HMOX2; heme oxygenase (decyclizing) 2; HO-2; heme oxygenase (decyclizing) 2; Accession Number (s): NP_002125.3; Human Gene ID(s): 3163; Non-Human GenelD(s): 15369 (mouse)
Immunogen	DQAGSTLARETLED, is from internal region Reported variants represent identical protein: NP_002125.3, NP_001120676.1, NP_001120678.1, NP_001120677.1
Applications	Pep ELISA, WB, 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 32000.
Western Blot	Western Blot: Approx 37kDa band observed in lysates of cell line K562 (calculated MW of 36.0kDa according to NP_002125.3). Recommended concentration: 0.3-1µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Pancreas cancer shows increased staining of invading cancer cells. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Sha L, Farrugia G, Harmsen WS, Szurszewski JH. Membrane potential gradient is carbon monoxide-dependent in mouse and human small intestine. American journal of physiology. Gastrointestinal and liver physiology 2007 Aug 293 (2): G438-45..PMID: 17510199->

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**