

## Goat anti-IREB2 / IRP2 Antibody

Item Number	dAP-1884
Target Molecule	Principle Name: IREB2 / IRP2; Official Symbol: IREB2; All Names and Symbols: IREB2; iron-responsive element binding protein 2; AC03; FLJ23381; IRP2; IRP2AD; iron regulatory protein 2; Accession Number (s): NP_004127.1; Human Gene ID(s): 3658; Non-Human GenID(s): 64602 (mouse) 64831 (rat)
Immunogen	SIHYEGSEYKLSHGS, is from internal region
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 110kDa band observed in Human Liver lysates (calculated MW of 105kDa according to NP_004127.1). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consistently observed at 60kDa. This band was confirmed.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows preferential staining in the cytoplasm of DCT. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Wang W, Di X, D'Agostino RB, Torti SV, Torti FM, Excess capacity of the iron regulatory protein system. The Journal of biological chemistry 2007 Aug 282 (34): 24650-9.. PMID: 17604281->

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**