

## Goat anti-Calnexin Antibody

**Item Number** dAP-1860

**Target Molecule** Principle Name: Calnexin; Official Symbol: CANX; All Names and Symbols: CANX; calnexin; CNX; FLJ26570; IP90; P90; major histocompatibility complex class I antigen-binding protein p88; Accession Number (s): NP\_001737.1; Human Gene ID(s): 821; Non-Human GenelD(s): 12330 (mouse) 29144 (rat)

**Immunogen** SKTPELNLDQFHDKT, is from internal region (near N Terminus)  
Reported variants represent identical protein (NP\_001019820.1, NP\_001737.1).

**Applications** Pep ELISA, WB, IHC, EIA

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. 100kDa band observed in Mouse Heart, Human Brain (Cerebellum), NIH3T3 and HeLa lysates (calculated MW of 67.6kDa according to Human NP\_001737.1 and 67.2kDa according to Mouse NP\_001103969.1). The observed molecular weight correspond

**IHC** Immunohistochemistry: In paraffin embedded Human Kidney shows textured staining in the cytoplasm of DCT cells. Recommended concentration: 3-6 $\mu$ g/ml. Paraffin embedded Human Testis and Uterus. Recommended concentration: 3.75 $\mu$ g/ml.

**Reference** Reference(s): Rosser MF, Grove DE, Chen L, Cyr DM, Assembly and misassembly of cystic fibrosis transmembrane conductance regulator: folding defects caused by deletion of F508 occur before and after the calnexin-dependent association of membrane spanning domain (MSD) 1 and MSD2. Molecular biology of

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**