

Goat anti-ERBB3 / HER3 Antibody

Item Number	dAP-0737
Target Molecule	Principle Name: ERBB3 / HER3; Official Symbol: ERBB3; All Names and Symbols: ERBB3; HER3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); HGNC:3431; ErbB-3; MDA-BF-1; c-erbB-3; c-erbB3; erbB3-S; p180-ErbB3; p45-sErbB3; p85-sErbB3 ; erbB-3; LCCS2; MGC88033; receptor tyrosine-protein kinase erbB-3; v-erb-b2 avian ; Accession Number (s): NP_001973.2; Human Gene ID(s): 2065; Non-Human GeneID(s): 13867 (mouse) 29496 (rat)
Immunogen	HSRLFPKANAQRT, is from C Terminus This antibody is expected to recognise isoform 1 (NP_001973.2) only.
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 150kDa band observed in human lysates of T cell line Jurkat (calculated MW of 148kDa according to NP_001973.2). Recommended concentration: 0.1-0.3µg/ml. A minor band of unknown identity was also consistently observed at 48kDa. This
IHC	Immunohistochemistry: Paraffin embedded Human Lung. Recommend concentration: 5µg/ml.
Reference	Reference(s): van der Horst EH, Weber I, Ullrich A. Tyrosine phosphorylation of PYK2 mediates heregulin-induced glioma invasion: novel heregulin/HER3-stimulated signaling pathway in glioma. Int J Cancer. 2005 Feb 20;113(5):689-98. .PMID: 15499613 ->

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**