

For Research Use Only

ERBB3 Polyclonal antibody

Catalog Number: 10369-1-AP **9 Publications**



Basic Information

Catalog Number: 10369-1-AP	GenBank Accession Number: BC002706	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 2065	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P21860	
Isotype: IgG	Full Name: v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	
Immunogen Catalog Number: AG0215	Calculated MW: 148 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human breast cancer tissue, human prostate cancer tissue
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (ErbB-3, HER3) is a member of the EGF receptor tyrosine kinase family including EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4) that are frequently overexpressed in a variety of carcinomas. These family members form either homodimers or heterodimers upon ligand binding to mediate cell growth. ErbB-3 binds and is activated by neuregulins and NTAK. It forms a heterodimer with each of the other ErbB receptors. ErbB-3 is predominantly expressed in epithelial tissues and brain, and is overexpressed in a subset of human mammary tumors.

Notable Publications

Author	Pubmed ID	Journal	Application
Hongbing Li	31556771	Acta Otolaryngol	IHC
Samusi Adediran	36230550	Cancers (Basel)	WB
Wen-Jing Liu	34209278	Cells	WB

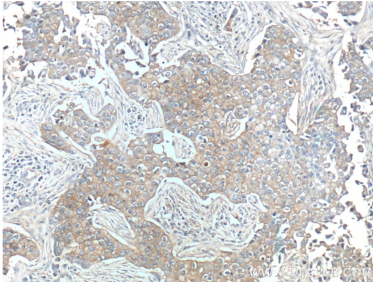
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

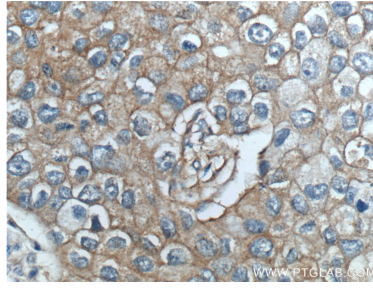
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10369-1-AP (ERBB3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10369-1-AP (ERBB3 Antibody) at dilution of 1:200 (under 40x lens).