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12-9656: Anti-HER3 antibody(131A1), Rabbit mAb

Clonality :	Monoclonal
Clone Name :	131A1
Application :	IHC
Reactivity :	Human
Gene :	HER3
Uniprot ID :	P21860
Alternative Name :	HER3; ERBB3
Isotype :	Rabbit IgG

Description

This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However; it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and:or overexpression of its protein have been reported in numerous cancers; including prostate; bladder; and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported; but they have not been thoroughly characterized.

Product Info

Amount :	10µg / 100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

IHC 1:200

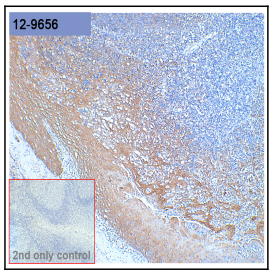


Figure 1. 12-9656 at 5µg/ml staining Her3 in human tonsil tissue by IHC (Cat# 12-9656).

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