ERBB3 (Human) Cell-Based ELISA Kit

Catalog # KA2756 Size 1 Kit

Specification

Product Description	ERBB3 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative det ermination of ERBB3 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — ERBB3

Entrez GeneID	2065
Protein Accession#	P21860
Gene Name	ERBB3
Gene Alias	ErbB-3, HER3, LCCS2, MDA-BF-1, MGC88033, c-erbB-3, c-erbB3, erbB3-S, p180-ErbB3, p45-sErbB3, p85-sErbB3
Gene Description	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)

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Omim ID	190151 607598
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor t yrosine 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 prote in 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 t o 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. Alternat e transcriptional splice variants encoding different isoforms have been characterized. One isofor m 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. [provided by RefSeq
Other Designations	erbB-3|lethal congenital contracture syndrome 2|v-erb-b2 avian erythroblastic leukemia viral onco gene homolog 3

Pathway

- Calcium signaling pathway
- Endocytosis
- ErbB signaling pathway

Disease

- Addison Disease
- Arthritis
- Autoimmune Diseases
- Bipolar Disorder
- Brain Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Coronary Artery Disease

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- Crohn Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glioma
- Hypertension
- Multiple Sclerosis
- Ovarian Neoplasms
- Prostatic Neoplasms
- Schizophrenia
- Thyroid Diseases

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