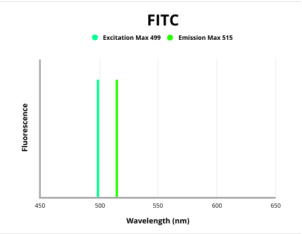
Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2) Antibody (FITC)

Catalogue No.:abx107283



Fluorescence emission spectra of FITC.

ERBB2 Antibody (FITC) is a Rabbit Polyclonal antibody conjugated to FITC against ERBB2. ERBB2 is a protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. It is an essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. It regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization.

Target:	Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2)
Clonality:	Polyclonal
Reactivity:	Human
Host:	Rabbit
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	FITC
Excitation/Emission:	499/515
Laser Line:	488
Immunogen:	Recombinant human Receptor tyrosine-protein kinase erbB-2 protein (153-598AA).
Isotype:	IgG
Form:	Liquid
Purity:	> 95%
Purification:	Purified by Protein G.

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Storage:	Aliquot and store at -20°C. Avoid exposure to light. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04626 (UniProt, ExPASy)
Gene Symbol:	ERBB2
GeneID:	2064
OMIM:	137800
NCBI Accession:	NP_001005862.1, NM_001005862.2
KEGG:	hsa:2064
String:	9606.ENSP00000269571
Buffer:	0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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