

Anti-Phospho-ERBB2 (Tyr1139) Antibody (4L974)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4L974
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. IHC image of TMAH-00895 diluted at 1:50 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.23% DAB.</p> <p>2. Immunofluorescence staining of MCF7 with TMAH-00895 at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 499-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p>
Application:	ELISA, IHC, IF
Recommended	IHC:1:50-1:200; IF:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human ERBB2
Antigen Species:	Human
Gene ID:	2064
Uniprot ID:	P04626
Synonyms:	ERBB2;ERBB2 (p-Y1139);p-ERBB2 (Y1139);HERV7Q;HERVW;NEU;ENVW;EGFR2;herstatin;CD340;ERVWE1;TKR1;HER-2;p-ERBB2 (Tyr1139);NGL;ENV;Phospho-ERBB2 (Y1139);MLN19;MLN 19;ERBB2 (p-Tyr1139);HER2
Biology Area:	Cancer, Tags & Cell Markers, Immunology, Signal transduction

Research Background

Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the

A DRUG SCREENING EXPERT

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. In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2/COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A; the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481