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10 Images



## Overview

Predicted Reactivity:

Purification:

Quantity:	100 μL
Target:	ErbB2/Her2
Binding Specificity:	pTyr1112
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ErbB2/Her2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human HER2/ErbB2 around the phosphorylation site of Tyr1112.
Isotype:	IgG
Specificity:	Phospho-HER2/ErbB2 (Tyr1112) Antibody detects endogenous levels of HER2/ErbB2 only when phosphorylated at Tyrosine 1112.

The antibody is from purified rabbit serum by affinity purification via sequential

chromatography on phospho- and non-phospho-peptide affinity columns.

Pig,Bovine,Horse,Sheep,Rabbit,Dog

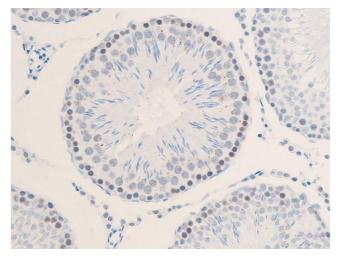
# **Target Details**

Target:	ErbB2/Her2
Alternative Name:	ERBB2 (ErbB2/Her2 Products)
Background:	Description: 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 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.
	Gene: ERBB2
Molecular Weight:	150kDa
Gene ID:	2064
UniProt:	P04626
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin
	Signaling Pathway, Skeletal Muscle Fiber Development
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.

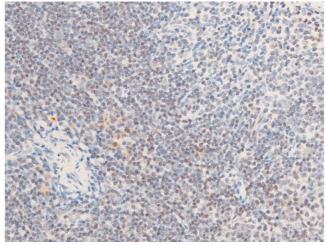
Expiry Date: 12 months

#### **Images**



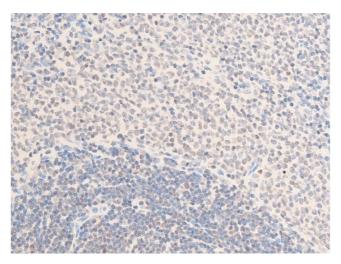
#### **Immunohistochemistry**

**Image 1.** ABIN6267285 at 1/100 staining rat testicular tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



## **Immunohistochemistry**

**Image 2.** ABIN6267285 at 1/100 staining mouse spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### **Immunohistochemistry**

**Image 3.** ABIN6267285 at 1/100 staining rat spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the product details page for more images. Overall 10 images are available for ABIN6255774.