SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0088-200	600 µg

Anti-ERBB2

Source: Goat

General description: Goat polyclonal antibody to ERBB2. This protein is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases containing a single transmembrane domain and has an approximate molecular weight of 185 kDa. ERBB2 contains no ligand binding domain and interacts with other EGF receptor family members to form a heterodimer, stabilize ligand binding, and enhance kinase-mediated downstream signalling. It has been shown to be involved in embryonic development and cancer progression.

Alternative names: CD340, erb-b2 receptor tyrosine kinase 2, HER2, HER-2, HER-2/neu, MLN 19, NEU, NGL and TKR1 antibody.

Form: Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide derived from within residues 1,177 aa to the C-terminus of human ERBB2 produced in E. coli.

Specificity: Detects endogenous levels of ERBB2 by Western blot.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	ND	ND
Rat	+++	+++	+++	ND	ND
Mouse	+++	+++	+++	ND	ND
Canine	+++	+++	+++	ND	ND
Monkey	+++	+++	+++	ND	ND

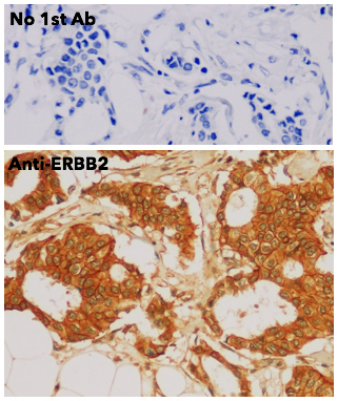
+++ excellent, ++ good, + poor, ND not determined

Usage:

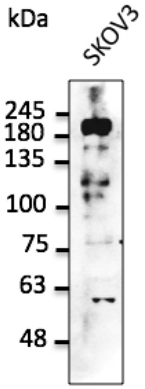
WB:	1:500-1:5,000
IHC (F):	1:250-1:1,000
IHC (P):	1:250-1:1,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

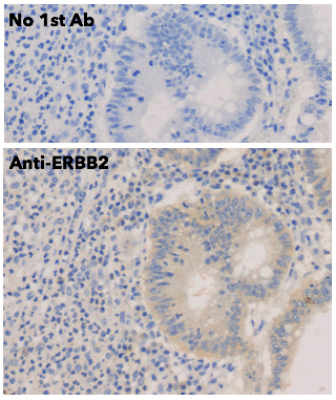
Special instructions: The antibody solution should be gently mixed before use..



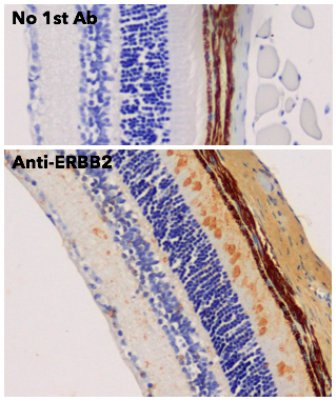
IHC of human breast carcinoma using anti-ERBB2 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-ERBB2 Ab at 1:500/DAB detection;



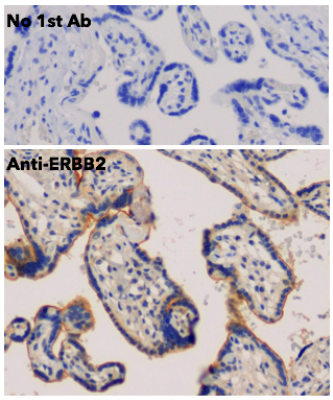
Anti-ERBB2 Ab at 1:2,500 dilution; 50 µg of total protein per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



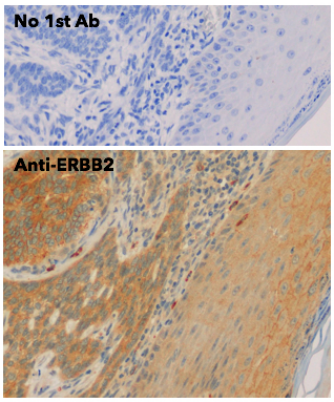
IHC of human appendix using anti-ERBB2 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-ERBB2 Ab at 1:500/DAB detection;



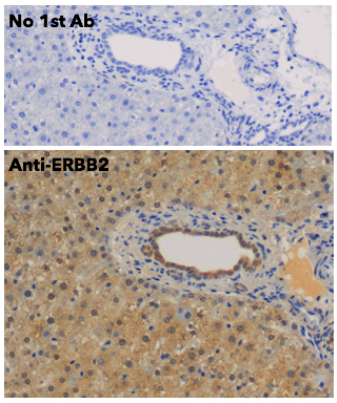
IHC of rat eye using anti-ERBB2 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-ERBB2 Ab at 1:500/DAB detection;



IHC of human placenta using anti-ERBB2 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-ERBB2 Ab at 1:500/DAB detection;



IHC of human skin using anti-ERBB2 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-ERBB2 Ab at 1:500/DAB detection;



IHC of mouse liver using anti-ERBB2 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-ERBB2 Ab at 1:500/DAB detection;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.