

## ERBB4 Antibody

Catalog No: #43833

Orders: order@signalwayantibody.com

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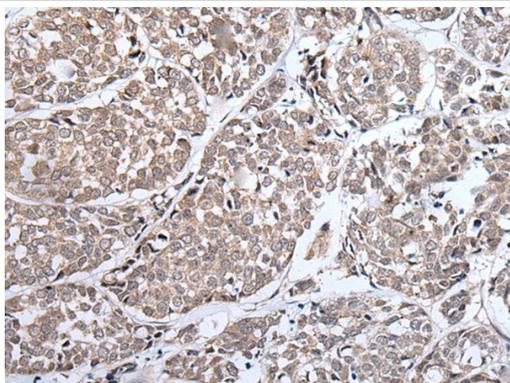
## Description

Product Name	ERBB4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total ERBB4 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human ERBB4
Target Name	ERBB4
Other Names	HER4; ALS19; p180erbB4
Accession No.	Swiss-Prot#: Q15303NCBI Gene ID: 2066
Uniprot	Q15303
GeneID	2066;
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

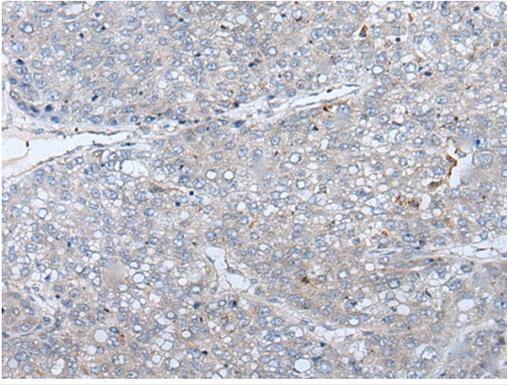
## Application Details

Immunohistochemistry: 1: 20-100

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ERBB4 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ERBB4 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

## Background

This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

Note: This product is for in vitro research use only