Product Datasheet

HOXA11 Antibody

Catalog No: #31221

Package Size: #31221-1 50ul #31221-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	HOXA11 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total HOXA11 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 144-159 amino acids of Human homeobox A11
Target Name	HOXA11
Other Names	homeobox A11, HOX1, HOX1I
Accession No.	Swiss-Prot:P31270Gene ID:3207;
Uniprot	P31270
GeneID	3207;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

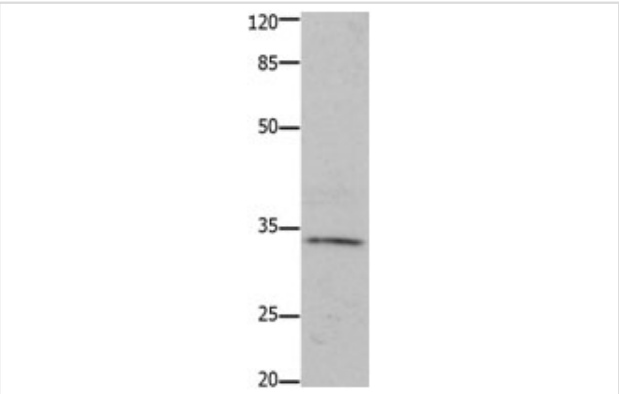
Predicted MW: 34kd

ELISA: 1:1000-1:2000

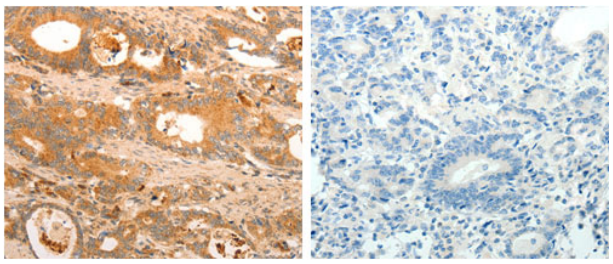
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:10-1:50

Images



Gel: 10%SDS-PAGE
Lysate: 40 µg Hela cell lysate
Primary antibody: 1/250 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 5 minutes



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 31221 (HOXA11 Antibody) at dilution 1/10, on the right is treated with the synthetic peptide.

Background

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is involved in the regulation of uterine development and is required for female fertility. Mutations in this gene can cause radio-ulnar synostosis with amegakaryocytic thrombocytopenia.

Note: This product is for in vitro research use only