

DEFA1 Antibody

Catalog No: #31183

Package Size: #31183-1 50ul #31183-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	DEFA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total DEFA1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 49-63 amino acids of Human Defensin, alpha 1
Target Name	DEFA1
Other Names	Defensin, alpha 1, HP1, MRS, DEF1, HP-1, DEFA2, HNP-1
Accession No.	Swiss-Prot:P59665Gene ID:1667;728358;
Uniprot	P59665
GeneID	1667;728358;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

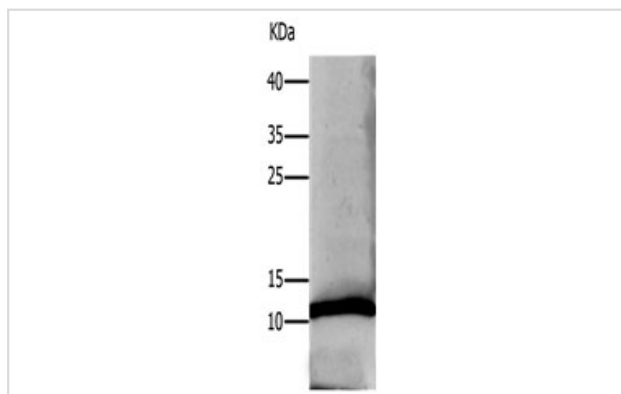
Predicted MW: 10kd

ELISA: 1:500-1:5000

Western blotting: 1:500-1:1000

Immunohistochemistry: 1:25-1:50

Images



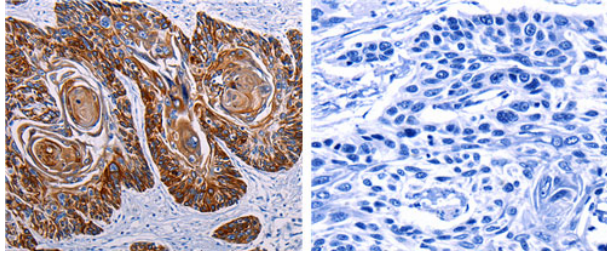
Gel: 12%SDS-PAGE

Lysate: 30 µg Human lung tissue lysate

Primary antibody: 1/550 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/5000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 31183(DEFA1 Antibody) at dilution 1/15, on the right is treated with the synthetic peptide.

Background

Defensins are a family of microbicidal and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.

Note: This product is for in vitro research use only