KRT222 Antibody

Catalog No: #42902

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

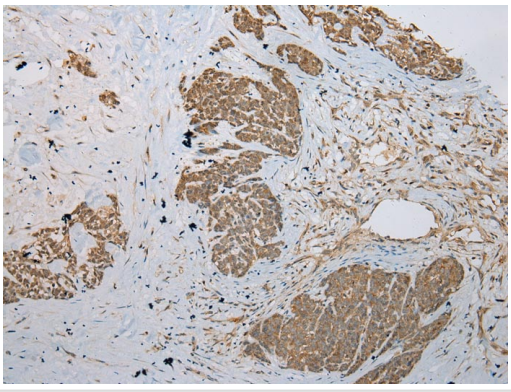
Description

Product Name	KRT222 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total KRT222 protein.
Immunogen Description	Full length fusion protein of human KRT222
Target Name	KRT222
Other Names	KA21; KRT222P
Accession No.	Swiss-Prot#: Q8N1A0Gene ID: 125113
Uniprot	Q8N1A0
GeneID	125113;
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

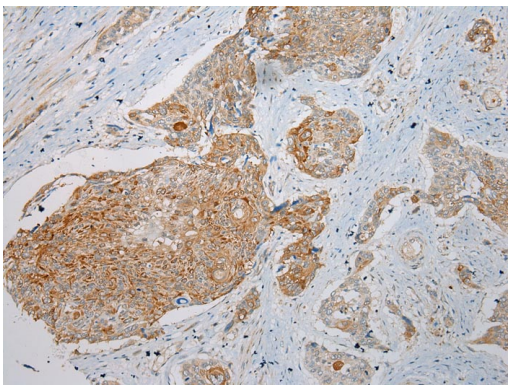
Application Details

Immunohistochemistry: 1:100-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human Thyroid cancer tissue using #42902 at dilution 1/200,



Immunohistochemical analysis of paraffin-embedded Human Esophagus cancer tissue using #42902 at dilution 1/200,

Background

KRT222, also known as KRT222P. KRT222 is a 295 amino acid protein belonging to the intermediate filament family. The gene encoding KRT222P has been listed as a pseudogene, however it has not been established that the protein is not translated, and is therefore treated as a protein coding gene. Existing as two alternatively spliced isoforms, the gene encoding KRT222P maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Note: This product is for in vitro research use only