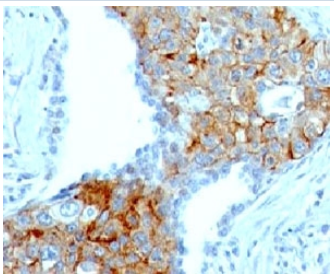
TRIM29 Antibody [clone TRIM29/1041] (V2507)

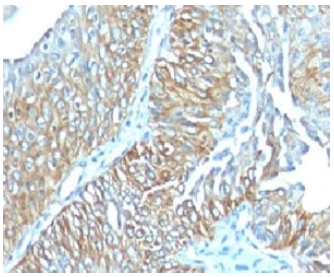
Catalog No.	Formulation	Size
V2507-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2507-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2507SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2507IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	TRIM29/1041
Purity	Protein G affinity chromatography
UniProt	Q14134
Localization	Cytoplasmic & cell surface
Applications	ELISA : order BSA/sodium azide-free format for coating Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This TRIM29 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma stained with TRIM29 antibody (clone TRIM29/1041).



IHC: Formalin-fixed, paraffin-embedded human esophageal carcinoma stained with TRIM29 antibody (clone TRIM29/1041).

Description

It recognizes a 66kDa protein, which is identified as Tripartite motif-containing protein 29 (TRIM29). It interacts with the intermediate filament protein vimentin, a substrate for the PKC family of protein kinases, and with hPKCI-1, an inhibitor of the PKCs. TRIM29 protein contains both zinc finger and leucine zipper motifs, suggesting that the it may form homodimers and possibly associate with DNA. High expression of TRIM29 has been reported in gastric cancer and pancreatic cancer, and correlates with enhanced tumor growth and lymph node metastasis. TRIM29 is also able to distinguish lung squamous cell carcinoma from lung adenocarcinoma with ~90% positive accuracy, when used in a panel with TTF-1, p63, CK5/6, and Napsin-A antibodies.

Application Notes

Optimal dilution of the TRIM29 antibody should be determined by the researcher.

1. Staining of formalin/paraffin tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A recombinant fragment (126 amino acid residues between aa 1-200) of human TRIM29 protein was used as the immunogen for the TRIM29 antibody.

Storage

Store the TRIM29 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).