

For Research Use Only

Caveolin-1 Recombinant antibody, PBS Only

Catalog Number: 84044-1-PBS



Basic Information

Catalog Number:

84044-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8049

GenBank Accession Number:

BC006432

GeneID (NCBI):

857

UNIPROT ID:

Q03135

Full Name:

caveolin 1, caveolae protein, 22kDa

Calculated MW:

22 kDa

Observed MW:

20-25 kDa

Purification Method:

Protein A purification

CloneNo.:

240985E4

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Background Information

Caveolin-1 (CAV1), a multifunctional protein, is the main constituent molecule of caveolae and represents a scaffolding molecule for several signaling molecules including epidermal growth factor receptor (PMID: 19641024). Several studies have implicated that a reduced expression of CAV1 was found in cancers including head and neck carcinoma (PMID: 19002186). However, other studies recognize CAV1 as a tumor promoter because CAV1 is overexpressed in various kinds of cancers, especially in oral cancer (PMID: 20558341). Recent study also show that CAV1 is involved in gastric Cancer (PMID: 25339030).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

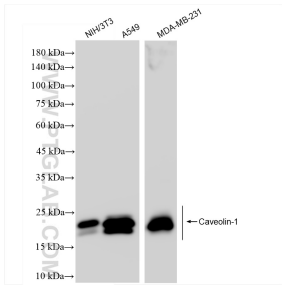
T: 4006900926

E: Proteintech-CN@ptglab.com

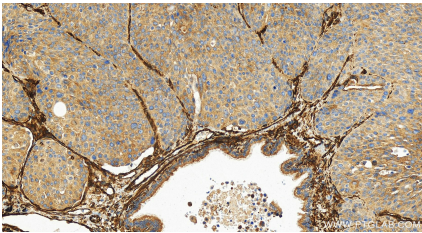
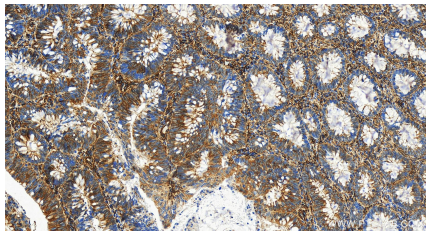
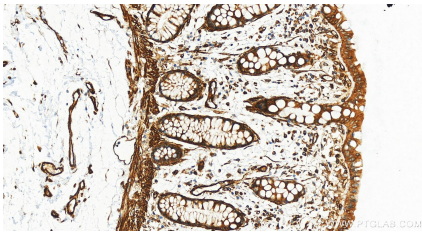
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

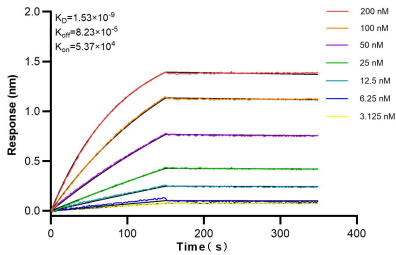
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84044-1-RR (Caveolin-1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84044-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma tissue slide using 84044-1-RR (Caveolin-1 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84044-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84044-1-RR against Human Caveolin-1 were performed. The affinity constant is 1.53 nM.