For Research Use Only

Cytokeratin 14 Recombinant antibody

Catalog Number:83379-1-RR

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
83379-1-RR

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0188

GenBank Accession Number:
BC002690

GeneID (NCBI):
3861

UNIPROT ID:
P02533

Full Name:
keratin 14

Calculated MW:
472 aa, 52 kDa

Observed MW:
52 kDa

Purification Method:
Protein A purfication

CloneNo.:
1H22

Recommended Dilutions:
WB 1:500-1:2800

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : rat skin tissue,

Background Information

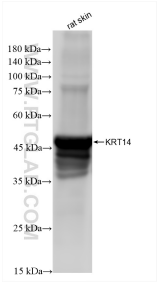
Cytokeratin 14, one of about 20 different cytokeratin isotypes of human cells, is the intermediate filament protein characteristic of epithelial cells. Cytokeratin 14 is expressed in the basal compartment of all stratified squamous epithelia. In various kinds of human tumors, the appearance and increasing expression of Cytokeratin 14 were strikingly associated with higher grade and stage of carcinoma, with varying degrees of unfavorable prognosis. In lung squamous cell carcinoma(LSCC), Cytokeratin 14 was expressed in the tumor cell nests showing stromal invasion with fibrosis and lymph node metastases, indicating that Cytokeratin 14 involved in proliferation and metastasis of LSCC. Cytokeratin 14 expression is sometimes used in diagnosis of myoepithelioma1 and intraductal vs. invasive ductal carcinoma of the breast.

Storage

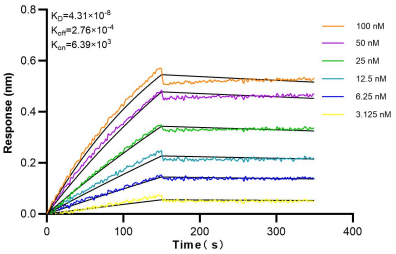
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



rat skin tissue were subjected to SDS PAGE followed by western blot with 83379-1-RR (KRT14 antibody) at dilution of 1:1400 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83379-1-RR against Human Cytokeratin 14 were performed. The affinity constant is 43.1 nM.