

For Research Use Only

TYRO3 Polyclonal antibody

Catalog Number: 28513-1-AP

2 Publications



Basic Information

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| Catalog Number: 28513-1-AP | GenBank Accession Number: BC049368 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 800 ug/ml by Nanodrop; | GeneID (NCBI): 7301 | Recommended Dilutions: WB 1:500-1:2000 |
| Source: Rabbit | UNIPROT ID: Q06418 | IHC 1:50-1:500 |
| Isotype: IgG | Full Name: TYRO3 protein tyrosine kinase | IF/ICC 1:200-1:800 |
| Immunogen Catalog Number: AG29540 | Calculated MW: 97 kDa | |
| | Observed MW: 140 kDa | |

Applications

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| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: |
| Cited Applications: IHC, IF | WB : mouse brain tissue, rat brain tissue |
| Species Specificity: human, mouse, rat | IHC : human colon cancer tissue, mouse brain tissue |
| Cited Species: human | IF/ICC : HCT 116 cells, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

TYRO3 has a structure includes a cytoplasmic domain and an extracellular ligand binding region. And ligand binding at the cell surface induces dimerization and autophosphorylation of TYRO3 on its intracellular domain that provides docking sites for downstream signaling molecules. TYRO3 is associated with many physiological processes including cell survival, migration and differentiation. It has been reported that TYRO3 can be expressed in various regions of the mammalian central nervous system. 28513-1-AP antibody recognizes the 97 kDa and 140 kDa protein which might be the glycosylated form similar to the papers. (PMID: 8873131, 23354874, 21539887)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|---------------------------|-------------|
| Quang Duy Trinh | 36230987 | Cells | IF |
| Yandan Zhou | 38233691 | Eur Arch Otorhinolaryngol | IHC |

Storage

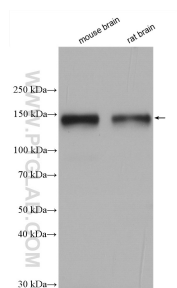
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

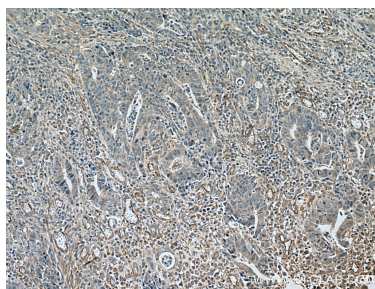
For technical support and original validation data for this product please contact:
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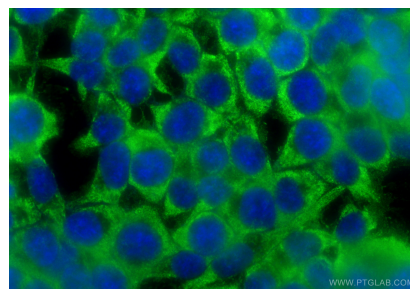
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28513-1-AP (TYRO3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28513-1-AP (TYRO3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HCT 116 cells using TYRO3 antibody (28513-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).