

Tyro3 Monoclonal Antibody

Catalog No: YM0639

Reactivity: Human

Applications: WB;IF;ELISA

Target: Tyro3

Gene Name: TYRO3

Protein Name: Tyrosine-protein kinase receptor TYRO3

Q06418

P55144

Human Gene Id: 7301

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Purified recombinant fragment of Tyro3 expressed in E. Coli.

Specificity: Tyro3 Monoclonal Antibody detects endogenous levels of Tyro3 protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution: WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other

applications.

Purification : Affinity purification

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 97kD

P References : 1. Janssen, J.W.G., et al. 1991. Oncogene 6: 2113-2120.

2. Schlessinger, J., et al. 1992. Neuron 9: 383-391.

3. Biesecker, L.G., et al. 1995. Oncogene 10: 2239-2242.

Background:

The gene is part of a 3-member transmembrane receptor kinase receptor family with a processed pseudogene distal on chromosome 15. The encoded protein is activated by the products of the growth arrest-specific gene 6 and protein S genes and is involved in controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. The encoded protein has also been identified as a cell entry factor for Ebola and Marburg viruses. [provided by RefSeq, May 2010],

Function:

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:May be involved in cell adhesion processes, particularly in the central nervous system. In case of filovirus infection, seems to function as a cell entry factor.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 fibronectin type-III domains.,similarity:Contains 2 Iglike C2-type (immunoglobulin-like) domains.,subunit:Monomer and homodimer. Interacts with GAS6.,tissue specificity:Abundant in the brain and lower levels in other tissues.,

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

Expression: Abundant in the brain and lower levels in other tissues.

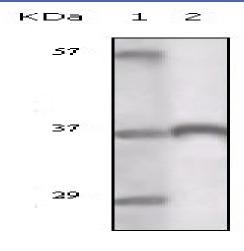
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No4:

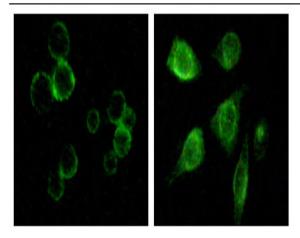
Host: Mouse

Modifications: Unmodified

Products Images



Western Blot analysis using Tyro3 Monoclonal Antibody against truncated Tyro3 recombinant protein.



Immunofluorescence staining of methanol-fixed MCF-7 and HepG2 cells showing membrane and cytoplasmic localization using Tyro3 Monoclonal Antibody.