

Tyro3 Monoclonal Antibody

Catalog No :	YM0639
Reactivity :	Human
Applications :	WB;IF;ELISA
Target :	Tyro3
Gene Name :	TYRO3
Protein Name :	Tyrosine-protein kinase receptor TYRO3
Human Gene Id :	7301
Human Swiss Prot No :	Q06418
Mouse Swiss Prot No :	P55144
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 :	<ol style="list-style-type: none">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 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Monomer and homodimer. Interacts with GAS6.,tissue specificity:Abundant in the brain and lower levels in other tissues.,

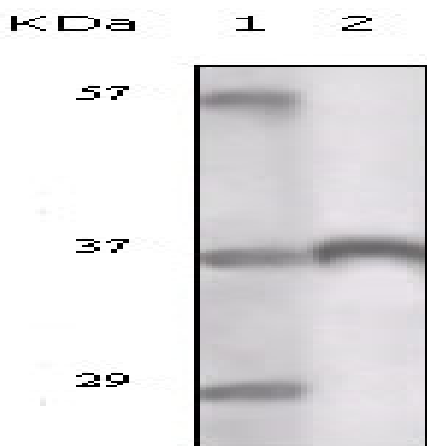
Subcellular Location :

Cell membrane; Single-pass type I membrane protein.

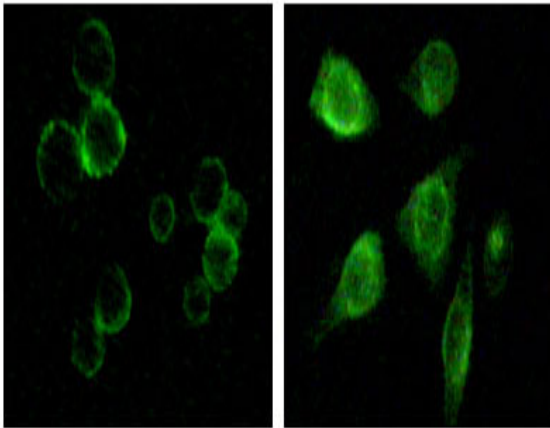
Expression :

Abundant in the brain and lower levels in other tissues.

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.