

Product datasheet for **AM06173SU-N**

TYRO3 Mouse Monoclonal Antibody [Clone ID: 1C10E8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C10E8
Applications:	IF, WB
Recommended Dilution:	ELISA: 1/10000. Western Blotting: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of TYRO3 expressed in E. Coli.
Specificity:	Recognizes Tyrosine Protein Kinase (TYRO3).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	TYRO3 protein tyrosine kinase
Database Link:	Entrez Gene 7301 Human Q06418



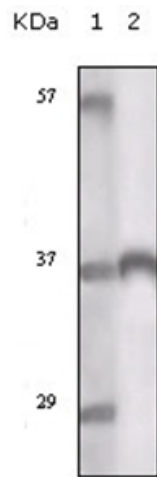
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Background:

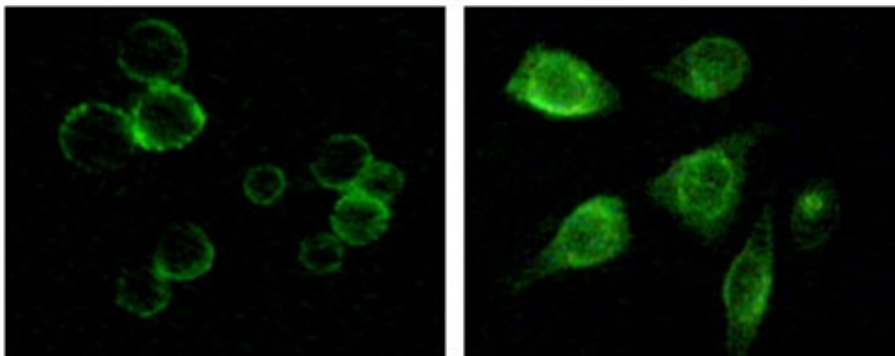
Tyrosine-Protein Kinase (TYRO3) belongs to the Tyr protein kinase family (AXL/UFO subfamily). The UFO family of receptor tyrosine kinases is comprised of subfamily members Rse(also referred to as Tyro3 or Sky) and UFO (also called Tyro7 or Axl). Two distinct isoforms of Rse, designated Brt and Etk-2, have been described. Brt differs from Rse at its C-terminus, but more importantly lacks the N-terminal 31 amino acid signal peptide sequence present in Rse, which is replaced by a 27 amino acid Brt-specific sequence. It has been suggested that as a result of this alternative splicing event, Brt resides in the cytoplasm, unlike Rse which is expressed on the cell surface. Ekt-2 also lacks an N-terminal signal peptide which is substituted with a 45 amino acid Ekt-2-specific sequence. Protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation.

Synonyms:

BYK, DTK, RSE, SKY

Product images:

Western blot analysis using TYRO3 antibody Cat.- No AM06173SU-N against truncated TYRO3 recombinant protein.



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