

Product datasheet for **AM11072PU-N**

TYRO3 Mouse Monoclonal Antibody [Clone ID: 64CT15.6.2.3.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	64CT15.6.2.3.1
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/1000. Immunohistochemistry 1/50-1/100.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	This antibody is generated from mouse immunized with human recombinant TYRO3 protein.
Specificity:	This antibody is specific to TYRO3.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
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 kinase 3, mainly expressed in brain, is involved in the protection of neurons from apoptosis. Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, 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. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.

Synonyms:

BYK, DTK, RSE, SKY

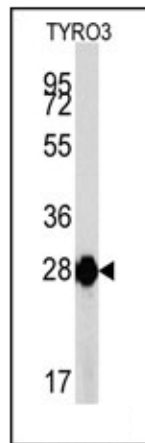
Product images:

Figure 1. Western blot analysis of anti-TYRO3 Monoclonal Antibody by TYRO3 recombinant protein. TYRO3 protein (arrow) was detected using the purified Mab.

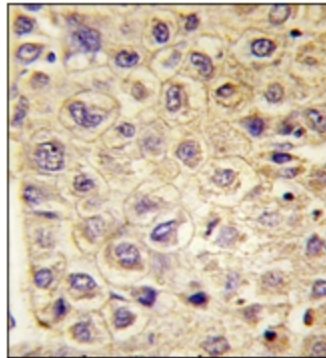


Figure 2. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with TYRO3 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.