

## Product datasheet for **AM05388PU-N**

### **RYP Mouse Monoclonal Antibody [Clone ID: F35 P7 D7 F5]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	F35 P7 D7 F5
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	Western Blot: 1-5 µg/ml. Positive Control: HCT116 cell lysates.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the human RYP protein and mouse myeloma Ag8563 cells. Sequence common in human, mouse and rat.
<b>Specificity:</b>	This antibody reacts to Receptor-Like Tyrosine Kinase.
<b>Formulation:</b>	Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	receptor-like tyrosine kinase
<b>Database Link:</b>	<a href="#">Entrez Gene 6259 Human P34925</a>



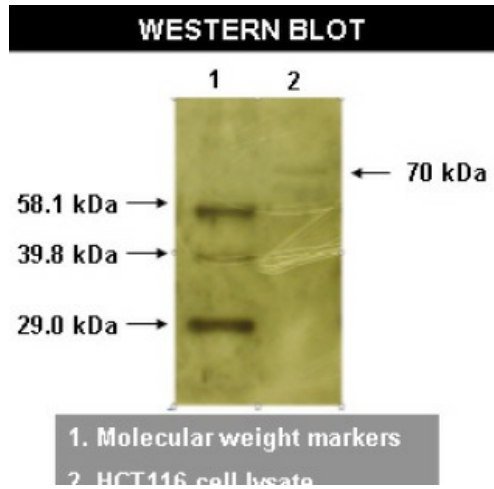
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**Background:**

RYK (Receptor like Tyrosine kinase 1) is in the Tyrosine family of receptor kinases. It is found in the plasma membrane of heart, prostate and kidney cells. RYK contains 604 amino acids and it contains one WIF domain. It functions as a potential growth factor receptor protein tyrosine kinase. RYK are divergent from those of other classic receptor tyrosine kinases. It is an orphan receptor that contains a catalytically inactive tyrosine kinase related domain. RYK is expressed in nestin positive progenitor cells and neurons, and in a certain population of oligodendrocytes, O2A progenitor cells, and type 2 astrocytes in developing CNS.

**Synonyms:**

JTK5A

**Product images:**

Western blot using RYK antibody on HCT116 cell lysates.