

# Anti-Rubicon Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P101456

## Product Information

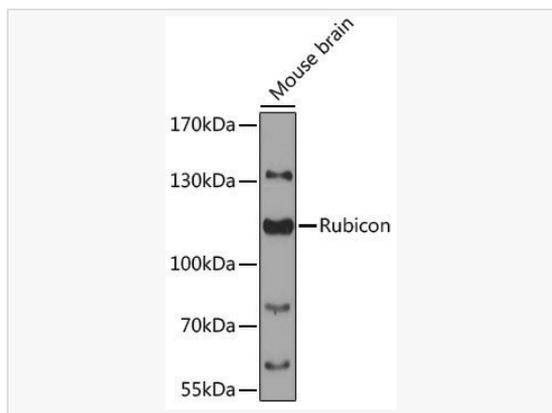
Application	WB, ELISA
Reactivity	Mouse
Dilution	WB 1:500~1:2,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human Rubicon (NP_055502.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Rubicon Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	SCAR15; RUBICON; KIAA0226; Rubicon.
Calculated MW	Calculated MW: 109 kDa; Observed MW: 108 kDa
Uniprot ID	Q92622
Gene ID	9711
Background	The protein encoded by this gene is a negative regulator of autophagy and endocytic trafficking and controls endosome maturation. This protein contains two conserved domains, an N-terminal RUN domain and a C-terminal DUF4206 domain. The RUN domain is involved in Ras-like GTPase signaling, and the DUF4206 domain contains a diacylglycerol (DAG) binding-like motif. Mutation in this gene results in deletion of the DAG binding-like motif and causes a recessive ataxia. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Validation Images

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Western blot analysis of lysates from mouse brain, using Rubicon Rabbit pAb (P101456) at 1:3,000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 90s.