

## Product datasheet

# Anti-TWF1 antibody ab55634

1 Image

### Overview

<b>Product name</b>	Anti-PTK9 antibody
<b>Description</b>	Mouse monoclonal to PTK9
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 80-252 of Human PTK9

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

### Applications

Our [Abpromise guarantee](#) covers the use of **ab55634** in the following tested applications.

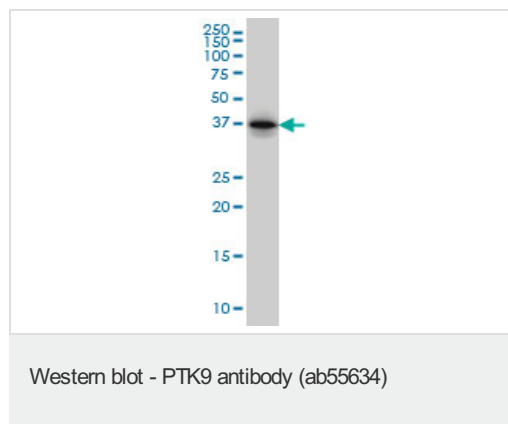
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 42 kDa.

### Target

<b>Function</b>	Actin-binding protein involved in motile and morphological processes. Inhibits actin polymerization, likely by sequestering G-actin. By capping the barbed ends of filaments, it also regulates motility. Seems to play an important role in clathrin-mediated endocytosis and distribution of endocytic organelles.
<b>Tissue specificity</b>	Expressed at high levels in the colon, testis, ovary, prostate and lung. Expressed at lower levels in the brain, bladder and heart. Not detected in liver.
<b>Sequence similarities</b>	Belongs to the actin-binding proteins ADF family. Twinfilin subfamily. Contains 2 ADF-H domains.
<b>Post-translational modifications</b>	Phosphorylated on serine and threonine residues.
<b>Cellular localization</b>	Cytoplasm. Cytoplasm > cytoskeleton. Diffuse cytoplasmic localization with perinuclear and G-actin-rich cortical actin structures sublocalization. Also found at membrane ruffles and cell-cell contacts.

## Images



PTK9 antibody (ab55634) at 1ug/lane + HeLa cell lysate at 25ug/lane.

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