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# ACTL7B Rabbit pAb

**Catalog No.: A13146**

## Basic Information

**Observed MW**
45kDa

**Calculated MW**
45kDa

**Category**
Primary antibody

**Applications**
ELISA,WB

**Cross-Reactivity**
Mouse, Rat

## Background

The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene (ACTL7B), and related gene, ACTL7A, are intronless, and are located approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candidate region on 9q31. Based on mutational analysis of the ACTL7B gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. Unlike ACTL7A, the ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known.

## Recommended Dilutions

| WB | 1:500 - 1:2000 |
|---|---|

## Immunogen Information

**Gene ID**
10880

**Swiss Prot**
Q9Y614

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 200-380 of human ACTL7B (NP_006677.1).

**Synonyms**
Tact1; ACTL7B

## Contact

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## Product Information

**Source**
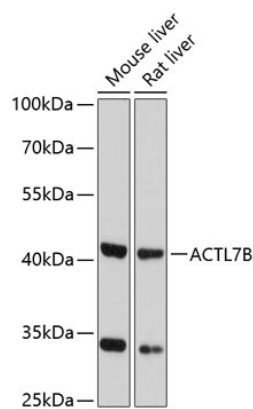Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

# Validation Data



Western blot analysis of extracts of various cell lines, using ACTL7B antibody (A13146) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.