



## POLQ Antibody

CATALOG NUMBER: 42-037

### Specifications

#### SPECIES REACTIVITY:

**TESTED APPLICATIONS:** ELISA

**APPLICATIONS:** ELISA: Antibody detection limit dilution 1:1000. Western Blot: Preliminary experiments in human brain (cerebellum lysates) and in HeLa lysate gave no specific signal but low background (at antibody concentration up to 1 ug/mL).

**IMMUNOGEN:** POLQ antibody was raised against a 13 amino acid synthetic peptide near the internal region of POLQ.

**HOST SPECIES:** Goat

### Properties

**PURIFICATION:** POLQ antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**PHYSICAL STATE:** Liquid

**BUFFER:** POLQ antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.

**CONCENTRATION:** 500 ug/mL

**STORAGE CONDITIONS:** Aliquot and store at -20°C. Minimize freezing and thawing.

**CLONALITY:** Polyclonal

**CONJUGATE:** Unconjugated

### Additional Info

**ALTERNATE NAMES:** DNA polymerase theta, DNA polymerase eta, PRO0327, POLH, DKFZp781A0112, polymerase (DNA directed), theta, POLQ

**ACCESSION NO.:** NP\_955452.3

**PROTEIN GI NO.:** 139394648

**OFFICIAL SYMBOL:** POLQ

**GENE ID:** 10721

### Background

**REFERENCES:** 1) Kawamura K, Bahar R, Seimiya M, Chiyo M, Wada A, Okada S, Hatano M, Tokuhisa T, Kimura H, Watanabe S, Honda I, Sakiyama S, Tagawa M, O-Wang J. DNA polymerase theta is preferentially expressed in lymphoid tissues and upregulated in human cancers. Int J Cancer. 2004 Mar;109(1):9-16.

FOR RESEARCH USE ONLY

December 13, 2016