

## Anti-Phospho-PTPN11 (Tyr542) Antibody (3Q687)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3Q687
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in Hela whole cell lysate, 293 whole cell lysate, A549 whole cell lysate (treated with Pervanadate or not)</li><li>-All lanes Phospho-PTPN11 antibody at 0.65µg/ml</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 68 KDa</li><li>-Observed band size: 68 KDa</li></ul> <p>2. Immunoprecipitating Phospho-PTPN11 in Hela whole cell lysate treated with Pervanadate</p> <ul style="list-style-type: none"><li>-Lane 1: Rabbit control IgG(1µg)instead of TMAH-00951 in Hela whole cell lysate treated with Pervanadate.</li><li>For western blotting,a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)</li><li>-Lane 2: TMAH-00951(3µg)+ Hela whole cell lysate treated with Pervanadate(1mg)</li><li>-Lane 3: Hela whole cell lysate treated with Pervanadate(20µg)</li></ul>
Application:	ELISA, WB, IP
Recommended	WB:1:500-1:5000; IP:1:200-1:1000.

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthetic peptide: Human Phospho-PTPN11 (Y542)
Antigen Species:	Human
Gene ID:	5781
Uniprot ID:	Q06124
Synonyms:	PTPN11 (p-Tyr542);p-PTPN11 (Tyr542);p-PTPN11 (Y542);Phospho-PTPN11 (Y542);PTPN11 (p-Y542)
Biology Area:	Signal Transduction

### Research Background

Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal

## A DRUG SCREENING EXPERT

---

transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway. Dephosphorylates GAB1, ARHGAP35 and EGFR. Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity. Dephosphorylates CDC73. Dephosphorylates SOX9 on tyrosine residues, leading to inactivate SOX9 and promote ossification.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481