Anti-Phospho-Tuberin (Thr1462) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108485

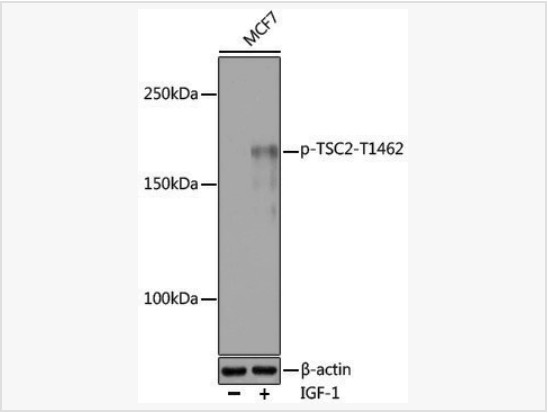
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around T1462 of human TSC2 (NP_000539.2).
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-Phospho-Tuberin (Thr1462) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	LAM; TSC4; PPP1R160; Phospho-TSC2-T1462.
Calculated MW	Calculated MW: 201 kDa; Observed MW: 200 kDa
Uniprot ID	P49815
Gene ID	7249
Background	This gene is a tumor suppressor gene that encodes the growth inhibitory protein tuberin. Tuberin interacts with hamartin to form the TSC protein complex which functions in the control of cell growth. This TSC protein complex negatively regulates mammalian target of rapamycin complex 1 (mTORC1) signaling which is a major regulator of anabolic cell growth. Mutations in this gene have been associated with tuberous sclerosis and lymphangioleiomyomatosis.

Validation Images



Western blot analysis of lysates from MCF7 cells, using Phospho-TSC2-T1462 Rabbit pAb (P108485) at 1:1,000 dilution. MCF7 cells were treated by IGF-1 (50 ng/ml) at 37°C for 5 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.