

Anti-GLTSCR2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 54 kDa. Actual: 54 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Pancreas (Mouse) Lysate at 40 µg Primary: Anti-GLTSCR2 (TMAB-06530) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD
	2. Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Primary: Anti-GLTSCR2 (TMAB-06530) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kDa Observed band size: 65 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GLTSCR2/PICT1
Antigen Species:	Human
Gene ID:	29997
Uniprot ID:	Q9NZM5

Research Background

The tumor suppressor PTEN plays an essential role in regulating signaling pathways involved in cell growth and apoptosis and is inactivated in a wide variety of tumors. Protein interacting with PTEN carboxyl terminus 1 (PICT-1), also designated p60 or Glioma tumor suppressor candidate region gene 2 protein, binds to the C-terminus of PTEN and regulates its turnover. Five Ser/Thr residues within the C-terminal segment of PTEN, including Ser-380, are phosphorylated upon binding of PTEN to PICT-1 and may contribute to the stabilization of PTEN. PICT-1 is localized to the nucleus and/or nucleolus and is highly expressed in pancreas and heart, but can also be detected in liver, skeletal muscle, placenta and kidney. PICT-1 also interacts with herpes simplex virus 1 regulatory proteins ICP22 and

A DRUG SCREENING EXPERT

ICP0. The tumor suppressor GLTSCR2 gene, which encodes PICT-1, is located in a 150-kb minimal common deletion region for human gliomas, especially oligodendrogliomas, and maps to human chromosome 19q13.3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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