

ALK7 Blocking Peptide
Catalog # PBV10450b**Specification**

ALK7 Blocking Peptide - Product Information

Primary Accession	Q8K348
Gene ID	269275
Calculated MW	54700

ALK7 Blocking Peptide - Additional Information**Gene ID** 269275**Application & Usage**

The peptide is used for blocking the antibody activity of ALK7. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Activin receptor type-1C, 2.7.11.30, Activin receptor type IC, ACTR-IC, Activin receptor-like kinase 7, ALK-7, Acvr1c {ECO:0000312|EMBL:AAH28780.1}

Target/Specificity

ALK7

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

ALK7 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

ALK7 Blocking Peptide - Protein Information**Name** Acvr1c {ECO:0000312|EMBL:AAH28780.1}**Function**

Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and

activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Expressed in interdigital regions in developing limb buds.

ALK7 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ALK7 Blocking Peptide - Images