

🕜 Tel: +1-301-363-4651 🛛 🖂 Email: cusabio@cusabio.com 🛛 🥭 Website: www.cusabio.com 🌘

PVR Recombinant Monoclonal Antibody

Product Code	CSB-RA567944A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P15151
Immunogen	A synthesized peptide derived from Human PVR
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:2000, IHC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Microbiology
Gene Names	PVR
Clone No.	19C12

Image



Western Blot

Positive WB detected in: A549 whole cell lysate All lanes: Poliovirus Receptor antibody at 1:500 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 70 kDa Observed band size: 70 kDa



IHC image of CSB-RA567944A0HU diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat

1



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anti-rabbit polymer IgG labeled by HRP and visualized using 0.42% DAB.

Description

The PVR recombinant monoclonal antibody undergoes a comprehensive production process, commencing with in vitro cloning, where genes encoding the PVR antibody's heavy and light chains are incorporated into expression vectors. Subsequently, these vectors are transfected into host cells to enable recombinant antibody expression within a cell culture system. Post-expression, the PVR recombinant monoclonal antibody is purified from the supernatant of transfected host cell lines, employing an affinity-chromatography purification technique. An important feature of this antibody is its specific binding capability with the human PVR protein. Furthermore, its versatility shines through as it is suitable for diverse applications, encompassing ELISA, WB, and IHC.

The poliovirus receptor (PVR), also known as the CD155 receptor, mainly serves as a cell surface receptor for poliovirus and related enteroviruses. It plays a critical role in the initial attachment and entry of the virus into host cells.