



ANTXR1 blocking peptide (CDBP5133)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq, Oct 2008]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ANTXR1 anthrax toxin receptor 1 [Homo sapiens (human)]
Official Symbol	ANTXR1
Synonyms	ANTXR1; anthrax toxin receptor 1; ATR; GAPO; TEM8; 2310008J16Rik; 2810405N18Rik; tumor endothelial marker 8

Entrez Gene ID	84168
mRNA Refseq	NM_018153
Protein Refseq	NP_060623
UniProt ID	Q9H6X2
Pathway	Cellular roles of Anthrax toxin; Disease; Uptake and actions of bacterial toxins; Uptake and function of anthrax toxins
Function	actin filament binding; collagen binding; metal ion binding; protein binding; transmembrane signaling receptor activity