



## ANTXR1 blocking peptide (CDBP5132)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANTXR1 anthrax toxin receptor 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ANTXR1
<b>Synonyms</b>	ANTXR1; anthrax toxin receptor 1; ATR; GAPO; TEM8; 2310008J16Rik; 2810405N18Rik; tumor endothelial marker 8

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