



Human SLC4A11 blocking peptide (CDBP2710)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SLC4A11/BTR1 antibody
Antigen Description	This gene encodes a voltage-regulated, electrogenic sodium-coupled borate cotransporter that is essential for borate homeostasis, cell growth and cell proliferation. Mutations in this gene have been associated with a number of endothelial corneal dystrophies including recessive corneal endothelial dystrophy 2, corneal dystrophy and perceptive deafness, and Fuchs endothelial corneal dystrophy. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SLC4A11 solute carrier family 4, sodium borate transporter, member 11 [Homo sapiens]
Official Symbol	SLC4A11
Synonyms	SLC4A11; solute carrier family 4, sodium borate transporter, member 11; CDPD1, CHED2, corneal dystrophy and perceptive deafness 1 , corneal endothelial dystrophy 2 (autosomal

recessive) , solute carrier family 4, sodium bicarbonate transporter like, member 11; sodium bicarbonate transporter-like protein 11; BTR1; dJ794I6.2; NaBC1; sodium-coupled borate cotransporter 1; bicarbonate transporter related protein 1; solute carrier family 4, sodium bicarbonate transporter-like, member 11; CDPD1; CHED2; NABC1; MGC126418; MGC126419;

Entrez Gene ID	83959
mRNA Refseq	NM_001174089
Protein Refseq	NP_001167560
UniProt ID	Q8NBS3
Chromosome Location	20p12
Function	bicarbonate transmembrane transporter activity; borate transmembrane transporter activity; hydrogen ion channel activity; inorganic anion exchanger activity; protein dimerization activity; sodium channel activity; sugar:hydrogen symporter activity; sympor