

AB-NN234-1

Clcn3 Antibody

Pan-specific monoclonal antibody S258-5() for monitoring the expression of rat Clcn3



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	H(+)/Cl(-) exchange transporter 3
Alias:	CIC3, CLC3, CLCN 3, Chloride channel 3, Chloride channel protein 3, Chloride channel, voltage-sensitive 3, Chloride transporter CIC 3, DKFZp564I0463, H(+)/Cl(-) exchange transporter 3, Chloride transporter CIC-3, CIC-3, H(+)/Cl(-) exchange transporter 3
UniProt ID:	P51792 - Rat
Human Predicted Mass (kDa):	96.733 (866 AA; P51790-2); 90.966 (818 AA; P51790-1); 88.781 (801 AA; P51790-5); 88.464 (791 AA; P51790-4)
Observed SDS-PAGE Mass (kDa):	90

Immunogen

Antibody Immunogen Source:	Synthetic peptide amino acids 98-115 (cytoplasmic N-terminus) of rat Clcn3
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF
Antibody Dilution Recommended:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-408 was sufficient for detection of Clcn3 in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~90 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	Does not cross-react with Clcn4 or Clcn5 (based on KO validation results).

This product is for in vitro research use only and is not intended for use in humans or animals.

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