

Product datasheet

Anti-BSND antibody ab108150

1 Image

Overview

Product name	Anti-BSND antibody
Description	Rabbit polyclonal to BSND
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to a region within internal sequence amino acids 211-260 (PNASPHDREE ACSPQQEPQG CRCPLDRFQD FALIDAPTLTLE DEPQEGQQWE) of Human BSND (NP_476517). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human fetal heart lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab108150** in the following tested applications.

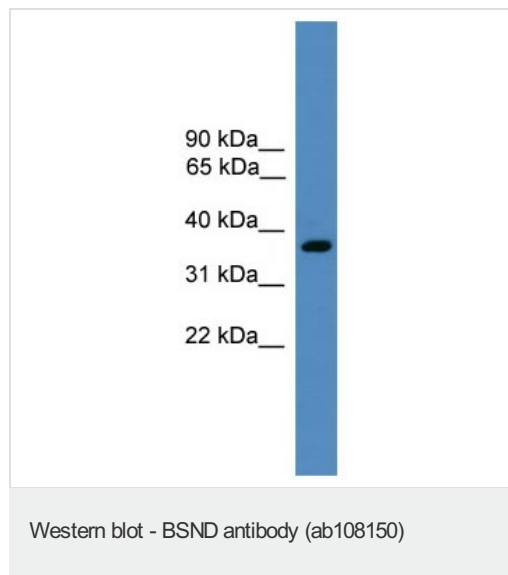
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 35 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Functions as a beta-subunit for CLCNKA and CLCNKB chloride channels. In the kidney CLCNK/BSND heteromers mediate chloride reabsorption by facilitating its basolateral efflux. In the stria, CLCNK/BSND channels drive potassium secretion by recycling chloride for the basolateral SLC12A2 cotransporter.
Tissue specificity	Expressed primarily in kidney. Expressed in specific nephron segments and in the stria vascularis of the inner ear.
Involvement in disease	Bartter syndrome 4A
Cellular localization	Cell membrane. Cytoplasm. A significant amount also observed intracellularly. Staining in membranes of the renal tubule and of potassium-secreting epithelia of the inner ear is basolateral.

Images



Anti-BSND antibody (ab108150) at 1 µg/ml +
Human fetal heart lysate at 10 µg

Predicted band size: 35 kDa

Gel concentration: 12%

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