bs-18423R **[Primary Antibody]**

LRTOMT/LRRC51 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 220074 **SWISS:** Q96E66

Target: LRTOMT/LRRC51

Immunogen: KLH conjugated synthetic peptide derived from human LRTOMT/LRRC51: 1-100/192.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene includes two transcript forms. The short form has one open reading frame (ORF), which encodes the leucine-rich repeats (LRR)-containing protein of unknown function. This protein is called LRTOMT1 or LRRC51. The long form has two alternative ORFs; the upstream ORF has the same translation start codon as used in the short form and the resulting transcript is a candidate for nonsense-mediated decay, and the downstream ORF encodes a different protein, which is a transmembrane catechol-O-methyltransferase and is called LRTOMT2, TOMT or COMT2. The COMT2 is essential for auditory and vestibular function. Defects in the COMT2 can cause nonsyndromic deafness. Alternatively spliced transcript variants from each transcript form have been found for this gene. [provided by RefSeq, Sep 2012]

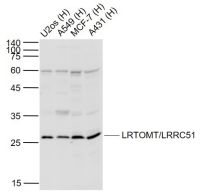
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Dog)

Predicted MW.: 22 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: U2os (Human) Cell Lysate at 30 ug Lane 2: A549 (Human) Cell Lysate at 30 ug Lane 3: MCF-7 (Human) Cell Lysate at 30 ug Lane 4: A431 (Human) Cell Lysate at 30 ug Primary: Anti-LRTOMT/LRRC51 (bs-18423R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 26 kD