**bs-1604R** **[ Primary Antibody ]**

# ABCB5 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 340273 **SWISS:** Q2M3G0

**Target:** ABCB5

**Immunogen:** KLH conjugated synthetic peptide derived from human ABCB5: 841-883/1257. < Cytoplasmic >

**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:** ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).[supplied by OMIM, Mar 2008]

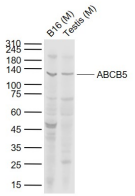
**Applications:** **WB** (1:500-2000)

**Reactivity:** Human, Mouse (predicted: Rat, Cow, Dog, Horse)

**Predicted MW.:** 89/138 kDa

**Subcellular Location:** Cell membrane

## VALIDATION IMAGES




Sample: Lane 1: Mouse B16 cell lysates Lane 2: Mouse Testis tissue lysates Primary: Anti-ABCB5 (bs-1604R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 89/138 kD Observed band size: 125 kD

## SELECTED CITATIONS


- **[IF=6.022]** Julia Riedl. et al. ABCB5+ dermal mesenchymal stromal cells with favorable skin homing and local immunomodulation for recessive dystrophic epidermolysis bullosa treatment. 2021 Mar 01 WB ;Mouse. 33609408
- **[IF=5.923]** Anna Kusienicka. et al. Heme Oxygenase-1 Has a Greater Effect on Melanoma Stem Cell Properties Than the Expression of Melanoma-Initiating Cell Markers. Int J Mol Sci. 2022 Jan;23(7):3596 FCM ;Mouse. 35408953
- **[IF=4.77]** Kaushik, Gaurav, et al. "Honokiol inhibits melanoma stem cells by targeting notch signaling." Molecular carcinogenesis (2014). WB ;="Human". 25491779
- **[IF=3.5]** Shinri Sato. et al. Conditioned media of stem cells from human exfoliated deciduous teeth contain factors related to extracellular matrix organization and promotes corneal epithelial wound healing. REGEN THER. 2025 Jun;29:148 IHC ;Human. 40170802
- **[IF=0]** Hardt, Olaf, et al. "SSEA4 AND ST3GAL2 AS CHEMOTHERAPEUTIC DRUG RESPONSE BIOMARKERS." U.S. Patent No. 20,150,316,556. 5 Nov. 2015. FCM ;="Mouse". US Patent No20150335744