**Affinity Biosciences**
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# ABCG2(CD338) Ab

Cat.#: AF4041          Concn.: 1mg/ml          Mol.Wt.: 65-80kd
Size: 50ul,100ul,200ul     Source: Rabbit          Clonality: Polyclonal

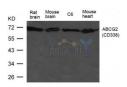| | |
|---|---|
| Application: | WB 1:500-1:1000 |
| Reactivity: | Human,Mouse,Rat |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Specificity: | The Ab detects endogenous level of total ABCG2(CD338) protein. |
| Immunogen: | Peptide sequence around aa.160~164( R-I-N-R-V) derived from Human ABCG2(CD338). |
| Uniprot: | Q9UNQ0 |
| Description: | Xenobiotic transporter that may play an important role in the exclusion of xenobiotics from the brain. May be involved in brain-to-blood efflux. Appears to play a major role in the multidrug resistance phenotype of several cancer cell lines. When overexpressed, the transfected cells become resistant to mitoxantrone, daunorubicin and doxorubicin, display diminished intracellular accumulation of daunorubicin, and manifest an ATP-dependent increase in the efflux of rhodamine 123. |
| Subcellular Location: | Cell membrane. |
| Tissue Specificity: | Highly expressed in placenta. Low expression in small intestine, liver and colon. |
| Similarity: | The extracellular loop 3 (ECL3) is involved in binding porphyrins and transfer them to other carriers, probably albumin.Belongs to the ABC transporter superfamily. ABCG family. Eye pigment precursor importer (TC 3.A.1.204) subfamily. [View classification] |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |

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Western blot analysis of extract from HL-60 cells using ABCG2(CD338) Ab

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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