10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-CYB561D2 Antibody

Catalog # AP51137

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | O14569 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 23974 |

## Additional Information

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|---|---|
| **Gene ID** | 11068 |
| **Other Names** | 101F6; Cytochrome b561 domain-containing protein 2; Putative tumor suppressor protein 101F6 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CYB561D2. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

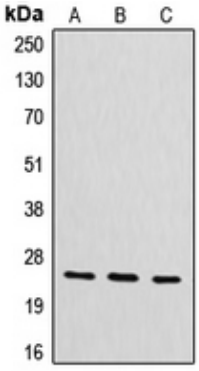
| | |
|---|---|
| **Name** | CYB561D2 ( HGNC:30253) |
| **Function** | Transmembrane reductase that may use ascorbate as an electron donor in the cytoplasm and transfer electrons across endoplasmic reticulum membranes to reduce monodehydro-L-ascorbate radical and iron cations Fe(3+) in the lumen of that compartment. |
| **Cellular Location** | Endoplasmic reticulum membrane {ECO:0000250\|UniProtKB:Q9WUE3}; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q53TN4}. Cytoplasmic vesicle membrane {ECO:0000250\|UniProtKB:Q9WUE3}; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q53TN4} |

## References

Bader S.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Xu G.,et al.Proc. Natl. Acad. Sci. U.S.A. 106:19310-19315(2009).

## Images




Western blot analysis of CYB561D2 expression in HeLa (A), mouse liver (B), rat kidney (C) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 24 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.