

**DECOR1 Antibody (aa1-335)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16943****Specification**

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**DECOR1 Antibody (aa1-335) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, ICC, WB           |
| Primary Accession | <a href="#">Q16698</a> |
| Other Accession   | <a href="#">1666</a>   |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 36068                  |

**DECOR1 Antibody (aa1-335) - Additional Information****Gene ID** 1666**Other Names**

DECOR1, 2, 4-dienoyl-coa reductase, 4-enoyl-CoA reductase [NADPH], 4-enoyl-CoA reductase, DECOR, NADPH, SDR18C1

**Target/Specificity**

Human DECOR1

**Reconstitution & Storage**

0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

**Precautions**

DECOR1 Antibody (aa1-335) is for research use only and not for use in diagnostic or therapeutic procedures.

**DECOR1 Antibody (aa1-335) - Protein Information****Name** DECOR1**Synonyms** DECOR, SDR18C1**Function**

Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in mitochondria. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA.

**Cellular Location**

Mitochondrion.

**Tissue Location**

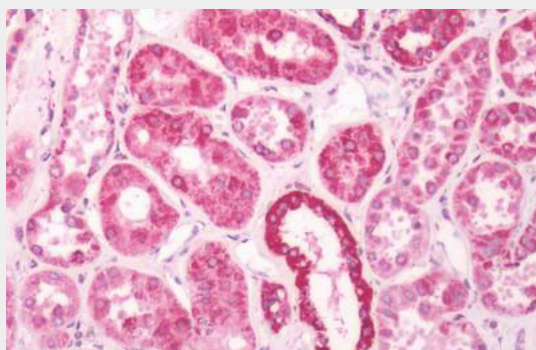
Heart = liver = pancreas > kidney >> skeletal muscle = lung.

### **DEC1 Antibody (aa1-335) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

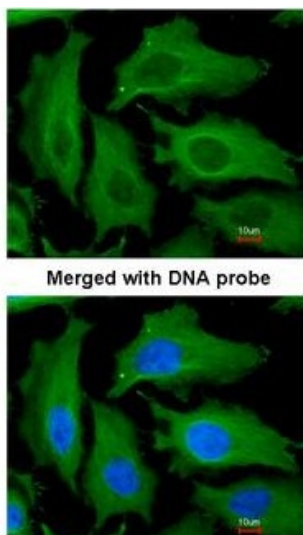
### **DEC1 Antibody (aa1-335) - Images**



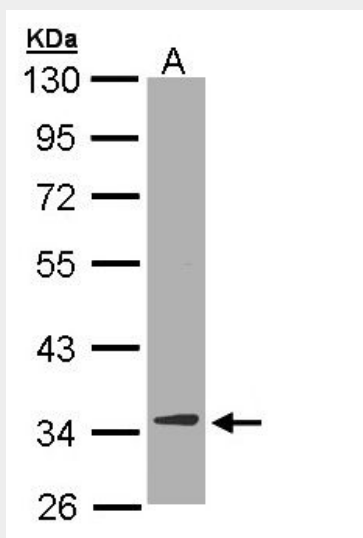
Human Kidney: Formalin Fixed, Paraffin Embedded (FFPE)



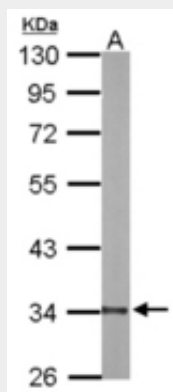
Human Liver: Formalin Fixed, Paraffin Embedded (FFPE)



Immunofluorescence of paraformaldehyde-fixed HeLa using DECRI antibody at 1:200 dilution.



Sample (30 ug of whole cell lysate). A: Hep G2 . 10% SDS PAGE. DECRI antibody diluted at 1:10000.



Sample (20 ug of whole cell lysate).

#### **DECRI Antibody (aa1-335) - Background**

Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty

enoyl-CoA esters having double bonds in both even- and odd-numbered positions. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3- enoyl-CoA.

#### **DECOR1 Antibody (aa1-335) - References**

Koivuranta K.T., et al. Biochem. J. 304:787-792(1994).  
Ding J.H., et al. Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.  
Helander H.M., et al. Genomics 46:112-119(1997).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Nusbaum C., et al. Nature 439:331-335(2006).