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# anti-STARD4 antibody (Middle Region)



Image



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### Overview

| Quantity:            | 100 μL   |
|----------------------|--|
| Target:              | STARD4   |
| Binding Specificity: | Middle Region  |
| Reactivity:          | Human, Mouse, Rat, Pig, Rabbit, Cow, Guinea Pig, Horse, Dog, Zebrafish (Danio rerio) |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This STARD4 antibody is un-conjugated  |
| Application:         | Western Blotting (WB)  |

## **Product Details**

| Immunogen:            | The immunogen is a synthetic peptide directed towards the middle region of human STARD4  |
|-----------------------|--|
| Sequence:             | CCVMRYTTAG QLWNIISPRE FVDFSYTVGY KEGLLSCGIS LDWDEKRPEF   |
| Predicted Reactivity: | Cow: 100%, Dog: 93%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% |
| Characteristics:      | This is a rabbit polyclonal antibody against STARD4. It was validated on Western Blot.   |
| Purification:         | Affinity Purified  |

# **Target Details**

| Target:           | STARD4                   |
|-------------------|--------------------------|
| Alternative Name: | STARD4 (STARD4 Products) |

| Target Details      |  |
|---------------------|--|
| Background:         | Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding |
|                     | proteins (e.g., SREBP1, MIM 184756) and by liver X receptors (e.g., LXRA, MIM 602423). Upon        |
|                     | sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter         |
|                     | SREs and activate genes involved in cholesterol biosynthesis and uptake. Sterol transport is       |
|                     | mediated by vesicles or by soluble protein carriers, such as steroidogenic acute regulatory        |
|                     | protein (STAR, MIM 600617). STAR is homologous to a family of proteins containing a 200- to        |
|                     | 210-amino acid STAR-related lipid transfer (START) domain, including STARD4 (Soccio et al.,        |
|                     | 2002 [PubMed 12011452]).   |
|                     | Alias Symbols: -   |
|                     | Protein Interaction Partner: UBC,  |
|                     | Protein Size: 205  |
| Molecular Weight:   | 23 kDa   |
| Gene ID:            | 134429   |
| NCBI Accession:     | NM_139164, NP_631903   |
| UniProt:            | Q96DR4   |
| Application Details |  |
| Application Notes:  | Optimal working dilutions should be determined experimentally by the investigator.                 |
| Comment:            | Antigen size: 205 AA   |
| Restrictions:       | For Research Use only  |
|                     |  |

# Handling

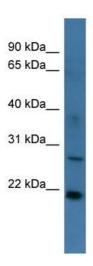
| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | Lot specific   |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                    |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.   |
| Storage:           | -20 °C   |
|                    |  |

# Handling

Storage Comment:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Images**



## **Western Blotting**

**Image 1.** WB Suggested Anti-STARD4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: HepG2 cell lysate