

## ALDH1A2

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**57kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human ALDH1A2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

RALDH2; RALDH2-T; RALDH(II);

**Catalog #:**A7503

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**8854

**Isotype:**IgG

**Swiss Prot:**O94788

**Purity:**Affinity purification

For research use only.

**Background:**

This protein belongs to the aldehyde dehydrogenase family of proteins. The product of this gene is an enzyme that catalyzes the synthesis of retinoic acid (RA) from retinaldehyde. Retinoic acid, the active derivative of vitamin A (retinol), is a hormonal signaling molecule that functions in developing and adult tissues. The studies of a similar mouse gene suggest that this enzyme and the cytochrome CYP26A1, concurrently establish local embryonic retinoic acid levels which facilitate posterior organ development and prevent spina bifida. Four transcript variants encoding distinct isoforms have been identified for this gene.

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