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Datasheet

ALDH1A2 mouse monoclonal antibody (hybridoma)

Catalog Number: H00008854-M

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant ALDH1A2.

Immunogen: ALDH1A2 (NP_733797.1, 1 a.a. ~ 480 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MTSSKIEMPGEVKADPAALMASLHLLPSPTPNLEIKYT
KIFINNEWQNSESGRVFPVYNPATGEQVCEVQEADKA
DIDKAVQAARLAFSLGSVWRRMDASERGRLLDKLADL
VERDRAVLATMESLNGGKPFLQAFYVDLQGVIKTFRY
YAGWADKIHGMTIPVDGDYFTFTRHEPIGVCGQIIPWN
FPLLMFAWKIAPALCCGNTVVIKPAEQTPLSALYMGALI
KEVGKLIQEAAGRSNLKRVTLELGGKSPNIIFADADLDY
AVEQAHQGVFFNQGQCCTAGSRIFVEESIYEEFVRRS
VERAKRRVVGSPFDPTTEQGPQIDKKQYNKILELIQSG
VAEGAKLECGGKGLGRKGFFIEPTVFSNVTDDMRIAK
EEIFGPVQEILRFKTMDEVIERANNSDFGLVAAVFTNDI
NKALTVSSAMQAGTVWINCYNALNAQSPFGGFKMSG
NGREMGEFGLREYSEVKTVTVKIPQKNS

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Entrez GeneID: 8854

Gene Symbol: ALDH1A2

Gene Alias: MGC26444, RALDH(II), RALDH2, RALDH2-T

Gene Summary: 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. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]