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Datasheet

AGT monoclonal antibody (M04), clone 3C10

Catalog Number: H00000183-M04

Regulation Status: For research use only (RUO)

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

Clone Name: 3C10

Immunogen: AGT (AAH11519, 1 a.a. ~ 485 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MRKRAPQSEMAPAGVSLRATILCLLAWAGLAAGDRVY
IHPFHLVIHNESTCEQLAKANAGKPKDPTFIPAPIQAKT
SPVDEKALQDQLVLVAAKLDTEDKLRAAMVGMLANFL
GFRIYGMHSELWGVVHGATVLSPTAVFGTLASLYLGA
LDHTADRLQAILGVPWKDKNCTSRLDAHKVLSALQAV
QGLLVAQGRADSQAQLLLSTVVGVFTAPGLHLKQPFV
QGLALYTPVVLPRSLDFTELDVAAEKIDRFMQAVTGW
KTGCSLTGASVDSTLAFNTYVHFQGKMKGFSLLAEPQ
EFWVDNSTSVSVPMLSGMGTFQHWSDIQDNFSVTQV
SFTESACLLLIQPHYASDLDKVEGLTFQQNSLNWMKKL
SPRTIHLTMPQLVLQGSYDLQDLLAQAELPAILHTELNL
QKLSNDRIRVGEVLNSIFFELEADEREPTESTQQLNKP
EVLEVTLNRPFLFAVYDQSATALHFLGRVANPLSTA

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, 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

Isotype: IgG3 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 183

Gene Symbol: AGT

Gene Alias: ANHU, FLJ92595, FLJ97926, SERPINA8

Gene Summary: The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease. [provided by RefSeq]