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Product datasheet for AM09389PU-S

AKR1C1 (1-323) Mouse Monoclonal Antibody [Clone ID: AT6D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT6D10
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	**ELISA.** **Western blot:** 1/1000. **Immunohistochemistry on Paraffin Sections:** 10 µg/ml. **Immunocytochemistry / Immunoflourescence.** **Flow cytometry.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human AKR1C1 (1-323aa) purified from*E. coli*
Specificity:	The antibody recognizes Human AKR1C1 at aa 1-323.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aldo-keto reductase family 1, member C1
Database Link:	Entrez Gene 1645 Human Q04828

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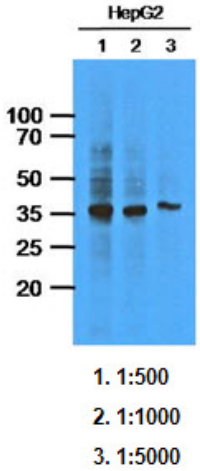
Background: The human aldo-keto reductases 1C1 and 1C3 (AKR1C1 and AKR1C3) have major roles in pre receptor regulation of progesterone action. They can both convert progesterone to the less potent efficiencies. AKR1C1 and AKR1C3 also act as 3-ketosteroid reductase, and as such they can convert the most potent androgen 5alpha-DHT into 3beta-andorstandiol, which is an estrogen receptor beta ligand, and into the inactive androgen 3alpha-androstnionl, respectively.

Synonyms: 20-alpha-hydroxysteroid dehydrogenase

Protein Families: Druggable Genome

Protein Pathways: Metabolism of xenobiotics by cytochrome P450

Product images:



Western blot analysis: The extracts of HepG2 (33 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AKR1C1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.