

## Product datasheet for **AM39004PU-S**

### **AKR7A3 Mouse Monoclonal Antibody [Clone ID: AT2E11]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	AT2E11
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA. Western blot (1:1000).
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Recombinant human AKR7A3 (1-331aa) purified from E. coli
<b>Specificity:</b>	The antibody recognizes human AKR7A3. Other species not tested.
<b>Formulation:</b>	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein-G affinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)
<b>Database Link:</b>	<a href="#">Entrez Gene 22977 Human O95154</a>
<b>Background:</b>	Aldo-keto reductase family 7, member A 3 (AKR7A3) is a member of the aldo/keto reductase superfamily involved in the detoxification and metabolism of a variety of exogenous aldehydes and ketones. The activity of AKR7A3 may detoxify the aflatoxin B1 (AFB1) dialdehyde, which reacts with proteins, and thereby inhibits AFB1 induced toxicity. AKR7A3 is expressed in kidney, colon, pancreas, endometrium and adenocarcinoma.



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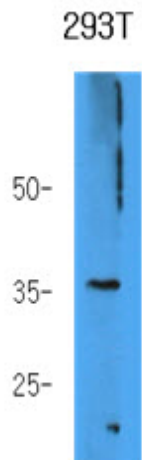
Synonyms: AFAR2

Protein Families: Druggable Genome

### Product images:



The 293T cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AKR7A3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: The 293T cell lysate (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AKR7A3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.