

# Anti-AKR1A1 [4G2] Monoclonal Antibody -Knockout Validated

## AGMB06647

### Description

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This Anti-AKR1A1 [4G2] Monoclonal Antibody -Knockout Validated is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	AGMB06647
<b>Contents:</b>	50µl, 100µl Bradford Reagent: 1 vial (2ml)
<b>Synonyms:</b>	Aldo-keto reductase family 1, member A1 (aldehyde reductase), ALR, ARM, DD3, ALDR1
<b>Applications:</b>	<b>WB</b> <b>IHC-P</b> <b>FC</b>
<b>Research Area:</b>	Signal Transduction
<b>Form:</b>	Liquid

### Antibody Data

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<b>Reactivity:</b>	Human, Mouse, Rat
<b>Clone:</b>	4G2
<b>Clonality:</b>	Monoclonal Antibody
<b>SwissProt ID:</b>	P14550
<b>Immunogen:</b>	Full length human recombinant protein of human AKR1A1 produced in 293T cell.
<b>Gene ID:</b>	10327

#### Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

**Gene Name:** AKR1A1  
**Host Species:** Mouse  
**Isotype:** IgG2b  
**Purification:** Affinity Purified  
**Conjugated:** Unconjugated  
**Modification:** Unmodified  
**Molecular Weight:** Calculated MW: 37 kDa, Observed MW: 37 kDa

## Preparation & Storage

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**Storage:** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.  
 Store Bradford Reagent at Room Temperature for 1 Year.

**Storage Buffer:** Liquid in PBS containing 50% glycerol, 1% BSA and 0.02% sodium azide, pH 7.3.

<b>Antibody Dilution Ratio:</b>	<b>Application</b>	<b>Antibody Dilution Ratio</b>
	WB	1:500-1:1000
	IHC	1:50-1:100
	FC	1:50-1:100

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.