

## AKR1C2 Antibody

Catalog No: #34400

Package Size: #34400-1 50ul #34400-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

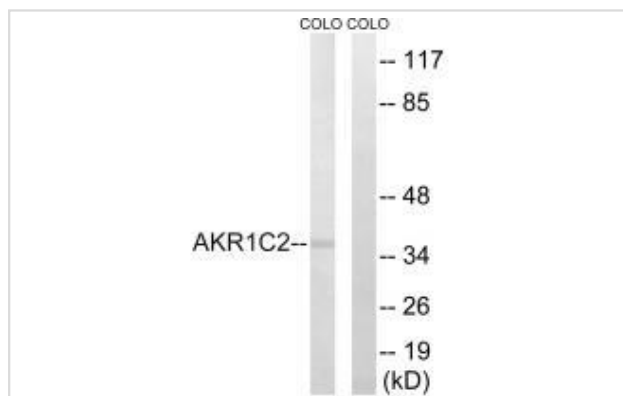
## Description

Product Name	AKR1C2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total AKR1C2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human AKR1C2.
Target Name	AKR1C2
Other Names	3-alpha-HSD3; AK1C2; AKR1C-pseudo; aldo-keto reductase family 1 member C2; BABP
Accession No.	Swiss-Prot: P52895NCBI Gene ID: 1646
Uniprot	P52895
GeneID	1646;
SDS-PAGE MW	37kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from COLO cells, using AKR1C2 antibody #34400.

## Background

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Works in concert with the 5-alpha/5-beta-steroid reductases to convert steroid hormones into the 3-alpha/5-alpha and 3-alpha/5-beta-tetrahydrosteroids. Catalyzes the inactivation of the most potent androgen 5-alpha-dihydrotestosterone (5-alpha-DHT) to 5-alpha-androstane-3-alpha,17-beta-diol (3-alpha-diol). Has a high bile-binding ability.

Qin K.-N., J. Steroid Biochem. Mol. Biol. 46:673-679(1993).

Ciaccio P.J., Biochim. Biophys. Acta 1186:129-132(1994).

Qin K.-N., Gene 149:357-361(1994).

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Note: This product is for in vitro research use only