

Aldo-Keto Reductase Family 1 Member C3 (AKR1C3) Antibody

Catalogue No.:abx026368





This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ), and the oxidation of 9alpha, 11beta-PGF2 to PGD2. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may also have a role in controlling cell growth and/or differentiation. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14.

Target:	Aldo-Keto Reductase Family 1 Member C3 (AKR1C3)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 107-135 amino acids from the Central region of human AKR1C3.

Datasheet Version: 3.0.0 Revision date: 20 May 2025



lgG
Liquid
Purified through a protein A column, followed by peptide affinity purification.
Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
P42330 (<u>UniProt</u> , <u>ExPASy</u>)
AKR1C3
NP_001240837.1, NP_003730.4
hsa:8644
9606.ENSP00000369927
Calculated MW: 36.9 kDa
PBS containing 0.09% sodium azide.
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