

Product datasheet for **TA321873**

AKR1B10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Raji and Jurkat cells IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	aldo-keto reductase family 1, member B10 (aldose reductase)
Database Link:	NP_064695 Entrez Gene 57016 Human O60218
Background:	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis.
Synonyms:	AKR1B11; AKR1B12; ALDRLn; ARL-1; ARL1; HIS; HSI

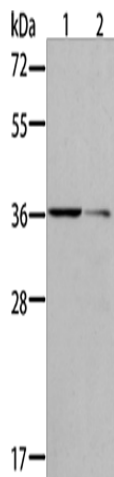


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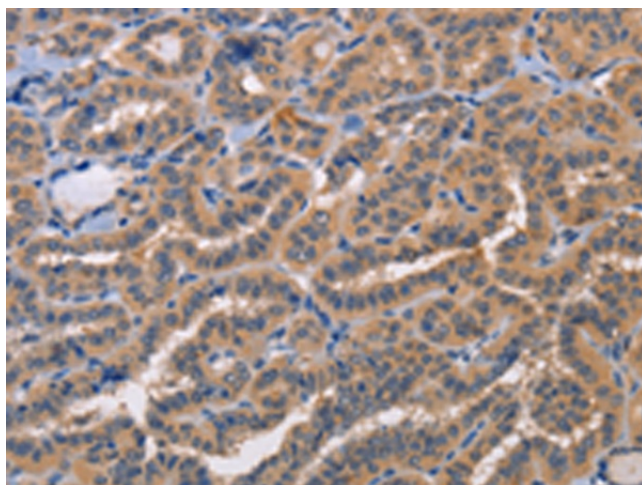
Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Fructose and mannose metabolism, Linoleic acid metabolism, Metabolic pathways

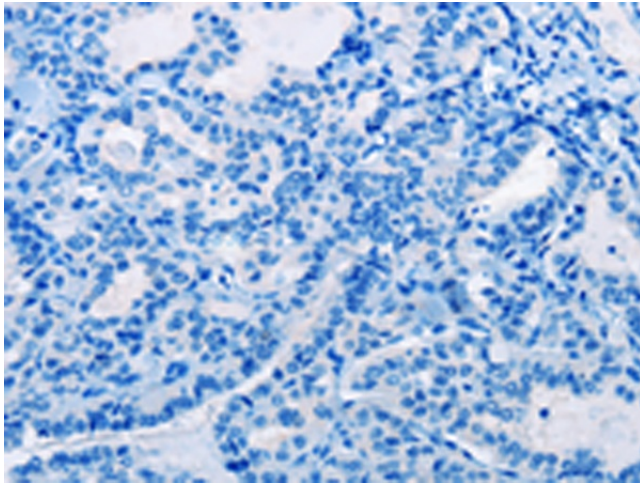
Product images:



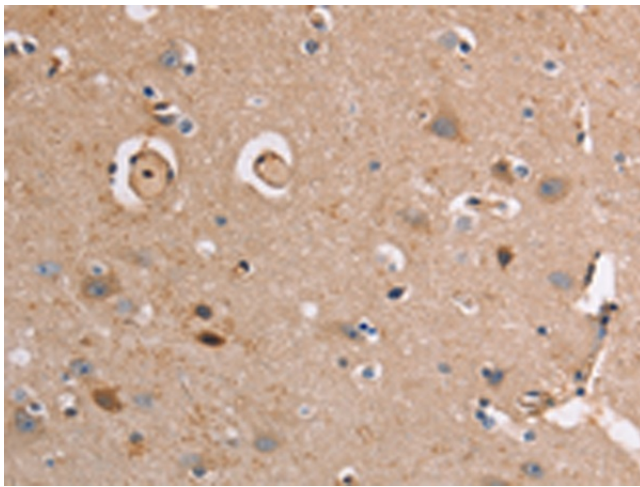
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Raji cells
Jurkat cells
Primary antibody: TA321873 (AKR1B10 Antibody)
at dilution 1/175
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 10 seconds



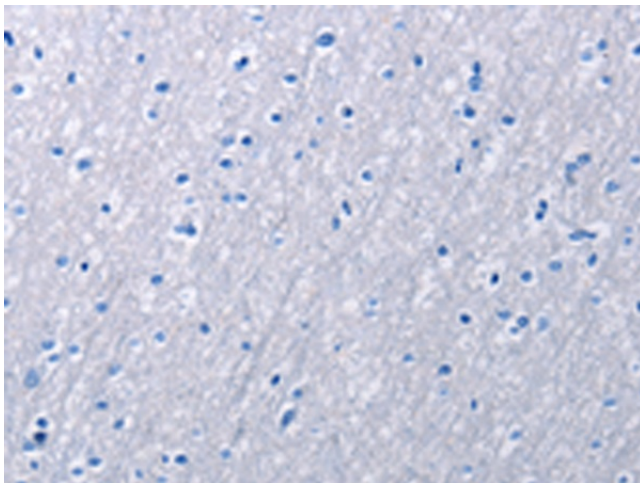
Immunohistochemistry of paraffin-embedded
Human thyroid cancer tissue using TA321873
(AKR1B10 Antibody) at dilution 1/20 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321873 (AKR1B10 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA321873 (AKR1B10 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA321873 (AKR1B10 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)