

DATASHEET

OVOL2 Rabbit Monoclonal Antibody(ARB513)

CAT. NO. ARB6805

KEY FEATURES

Target	OVOL2	Clonality	Monoclonal
Clone ID	ARB513	Applications	IHC
Source / Host	Rabbit	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

BACKGROUND

Transcription factor OVO-like zinc finger 2 (OVOL2) contains a single zinc finger domain composed of a tetrad of C2H2 zinc fingers with variable N- and C-terminal extensions that contains intrinsically disordered domains, which is DNA-binding protein that binds to the 5'-G[CT]TGGGG-3' core sequence. It probably acts as a transcription regulator. OVOL2 plays a critical role in maintaining the integrity of epithelial lineage. It also suppresses cell cycling and terminal differentiation of keratinocytes by directly repressing MYC and NOTCH1. In addition, OVOL2 is important for the correct development of primordial germ cells in embryos. OVOL2 is expressed in testis, ovary, heart and skeletal muscle of human normal tissue. OVOL2 is a colorectal tumor suppressor that blocks WNT signaling by facilitating the recruitment of histone deacetylase 1 to the TCF4- β -catenin complex. Strategies to increase levels of OVOL2 might be developed to reduce colorectal tumor progression and metastasis. In addition, OVOL2 is demonstrated to directly repress the expression of several glycolytic genes, blocking the Warburg effect and breast tumor growth and metastasis.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

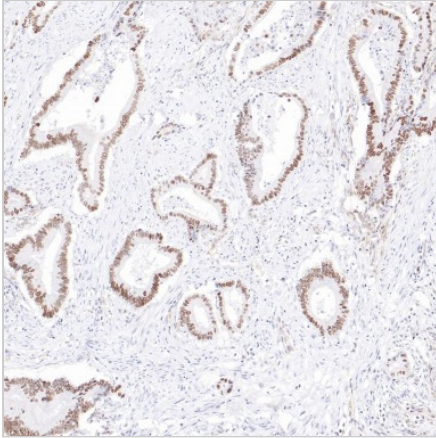
Predicted Molecular Wt	30kDa
Purity	ProA affinity purified IgG
Subcellular location	Nucleus
Swissprot ID	Q9BRP0
Immunogen	Synthetic peptide.
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended Method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Immunohistochemical staining of human colon carcinoma tissue using OVOL2 Rabbit Monoclonal Antibody(ARB513)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com