

BDP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54892

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IVW6
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60637
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BDP/ARID3B
Epitope Specificity	251-350/561
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Contains 1 ARID domain. Contains 1 REKLES domain.
SUBUNIT	Heterodimer with ARID3A. Interacts with unphosphorylated RB1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ARID3B represents a member of a unique family of DNA-binding proteins that have roles in cell lineage gene regulation, cell cycle control, embryonic patterning and transcriptional regulation. ARID3B localizes to the nucleus and contains an AT-rich interactive domain (ARID) which has DNA-binding capabilities. Functioning as a transcription factor, ARID3B associates in a heterodimer with the related protein ARID3A and is believed to play an important role in neural crest survival during embryogenesis. In addition, ARID3B may participate in malignant transformation and neuroblastoma growth, suggesting a possible use of ARID3B as a tumor marker for neuroblastoma.

Additional Information

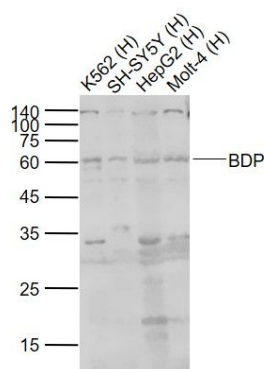
Gene ID	10620
Other Names	AT-rich interactive domain-containing protein 3B, ARID domain-containing protein 3B, Bright and dead ringer protein, Bright-like protein, ARID3B, BDP, DRIL2
Target/Specificity	Expressed in placenta, testis and leukocytes. Expressed in neuroblastoma. Present in K562 erythrocytic leukemia cells (at protein level).
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ARID3B
Synonyms	BDP, DRIL2
Function	Transcription factor which may be involved in neuroblastoma growth and malignant transformation. Favors nuclear targeting of ARID3A.
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00355, ECO:0000269 PubMed:10446990, ECO:0000269 PubMed:17400556}
Tissue Location	Expressed in placenta, testis and leukocytes. Expressed in neuroblastoma. Present in K-562 erythrocytic leukemia cell line (at protein level).

Images



Sample:

Lane 1: K562 (Human) Cell Lysate at 30 ug
 Lane 2: SH-SY5Y (Human) Cell Lysate at 30 ug
 Lane 3: HepG2 (Human) Cell Lysate at 30 ug
 Lane 4: Molt-4 (Human) Cell Lysate at 30 ug

Primary:

Anti-BDP (AP54892) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 61 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.