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HR antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10075

Product Information

Application	WB
Primary Accession	O43593
Other Accession	O43593, NP_005135, NM_005144
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	127495

Additional Information

Gene ID	55806
Alias Symbol	ALUNC, AU, HSA277165, MUHH, MUHH1
Other Names	Lysine-specific demethylase hairless, 11411-, HR
Target/Specificity	HR is a protein whose function has been linked to hair growth. A similar protein in rat functions as a transcriptional corepressor for thyroid hormone and interacts with histone deacetylases. Mutations in this gene have been documented in cases of autosomal recessive congenital alopecia and atrichia with papular lesions.This gene encodes a protein whose function has been linked to hair growth. A similar protein in rat functions as a transcriptional corepressor for thyroid hormone and interacts with histone deacetylases. Mutations in this gene have been documented in cases of autosomal recessive congenital alopecia and atrichia with papular lesions. Two transcript variants encoding different isoforms have been found for this gene.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-HR antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	HR antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HR

Function	Histone demethylase that specifically demethylates both mono- and dimethylated 'Lys-9' of histone H3. May act as a transcription regulator controlling hair biology (via targeting of collagens), neural activity, and cell cycle.
Cellular Location	Nucleus.
Tissue Location	Strongest expression of isoforms 1 and 2 is seen in the small intestine, weaker expression in brain and colon, and trace expression is found in liver, pancreas, spleen, thymus, stomach, salivary gland, appendix and trachea. Isoform 1 is always the most abundant. Isoform 1 is exclusively expressed at low levels in kidney and testis. Isoform 2 is exclusively expressed at high levels in the skin.

Background

This is a rabbit polyclonal antibody against HR. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images

HR antibody - middle region (AI10075) in Human HepG2 cells using Western Blot
WB Suggested Anti-HR Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate