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HR antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10075

Specification

HR antibody - middle region - 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	**127 kDa KDa**

HR antibody - middle region - 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.

HR antibody - middle region - 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.

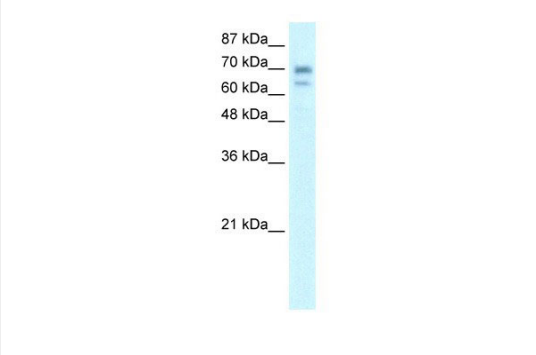
Tissue Location
Strongest expression of isoforms 1 and 2 is seen in the small intestine, weaker expression in brain and colon, and trace expression is found in liver, pancreas, spleen, thymus, stomach, salivary gland, appendix and trachea. Isoform 1 is always the most abundant. Isoform 1 is exclusively expressed at low levels in kidney and testis. Isoform 2 is exclusively expressed at high levels in the skin.

HR antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HR antibody - middle region - 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

HR antibody - middle region - 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).