

HR1/2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1011a

Specification

HR1/2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O43593](#)

HR1/2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 55806

Other Names

Lysine-specific demethylase hairless, 11411-, HR

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1011a](/product/products/AP1011a) was selected from the N-term region of human HR1/2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HR1/2 Antibody (N-term) Blocking Peptide - 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.

HR1/2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HR1/2 Antibody (N-term) Blocking Peptide - Images

HR1/2 Antibody (N-term) Blocking Peptide - Background

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.

HR1/2 Antibody (N-term) Blocking Peptide - References

Henn, W., et al., J. Am. Acad. Dermatol. 47(4):519-523 (2002). Ahmad, W., et al., Genomics 56(2):141-148 (1999). Cichon, S., et al., Hum. Mol. Genet. 7(11):1671-1679 (1998). Nothen, M.M., et al., Am. J. Hum. Genet. 62(2):386-390 (1998). Ahmad, W., et al., Science 279(5351):720-724 (1998).