Datasheet for ABIN7145557

anti-JMJD6 antibody (AA 1-320)

2 Images

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Overview

Quantity:	100 µL
Target:	JMJD6
Binding Specificity:	AA 1-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JMJD6 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6 protein (1-320AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	JMJD6
Alternative Name:	JMJD6 (JMJD6 Products)
Background:	Background: Dioxygenase that can both act as a histone arginine demethylase and a lysyl-

Target Details

	hydroxylase. Acts as a lysyl-hydroxylase that catalyzes 5-hydroxylation on specific lysine residues of target proteins such as U2AF2/U2AF65 and LUC7L2. Acts as a regulator of RNA splicing by mediating 5-hydroxylation of U2AF2/U2AF65, affecting the pre-mRNA splicing activity of U2AF2/U2AF65. In addition to peptidyl-lysine 5-dioxygenase activity, may act as an RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which demethylates histone H3 at \\\'Arg-2\\\' (H3R2me) and histone H4 at \\\'Arg-3\\\' (H4R3me), thereby playing a role in histone code. However, histone arginine demethylation may not constitute the primary activity in vivo. Has no histone lysine demethylase activity. Required for differentiation of multiple organs during embryogenesis. Acts as a key regulator of hematopoietic differentiation: required for angiogenic sprouting by regulating the pre-mRNA splicing activity of U2AF2/U2AF65. Seems to be necessary for the regulation of macrophage cytokine responses. Aliases: Apoptotic cell clearance receptor antibody, Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6 antibody, Histone arginine demethylase JMJD6 antibody, JmjC domain-containing protein 6 antibody, JMJD 6 antibody, JMJD6 antibody, JMJD6_HUMAN antibody, Jumonji domain containing 6 antibody, Jumonji domain-containing protein 6 antibody, KIAA0585 antibody, Lysyl-hydroxylase JMJD6 antibody, Peptide-lysine 5-dioxygenase JMJD6 antibody, Phosphatidylserine receptor antibody, Protein PTDSR antibody, PSR antibody, PTDSR 1 antibody, PTDSR antibody, PTDSR1 antibody
UniProt:	Q6NYC1

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

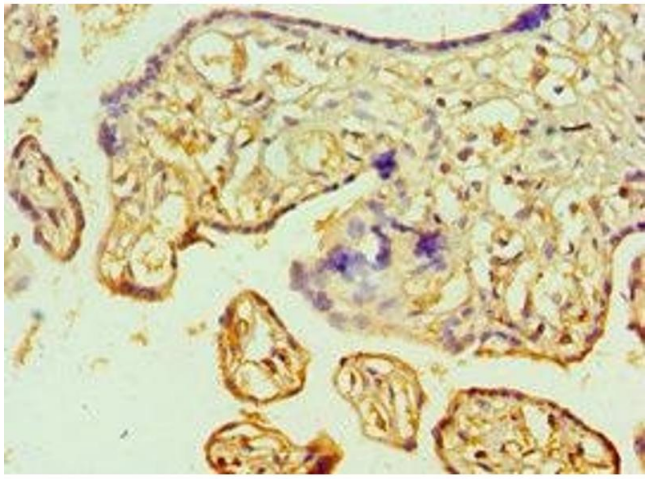
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Handling

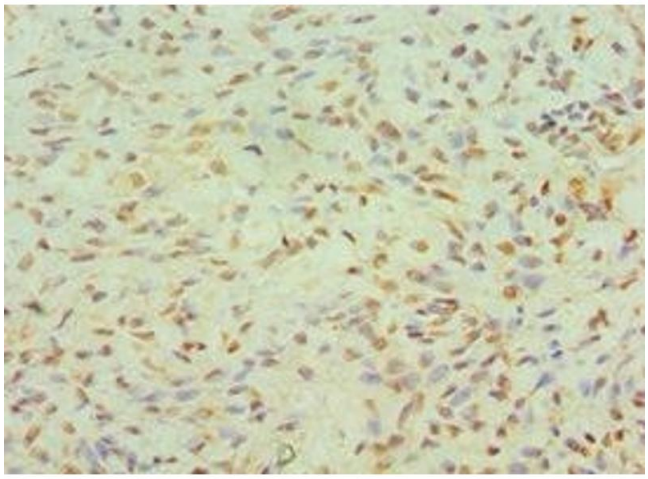
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7145557 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7145557 at dilution of 1:100