Datasheet for ABIN6252514

anti-LH alpha antibody

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Overview

Quantity:	100 µg
Target:	LH alpha
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LH alpha antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant full-length human LHa protein was used as the immunogen for the Luteinizing Hormone alpha antibody.
Clone:	LHa-756
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	LH alpha
Alternative Name:	Luteinizing Hormone alpha (LH alpha Products)
Background:	This mAb reacts with a protein of ~13 kDa, identified as alpha subunit of Luteinizing Hormone (LH) or Chorionic Gonadotrophin (CG). The protein dimer contains 2 polypeptide units, labeled alpha and beta subunits that are connected by two bridges. The alpha subunits of LH, FSH,

Target Details

	TSH, and hCG are identical, and contain 92 amino acids. The beta subunits vary. LH has a beta subunit of 121 amino acids (LHB) that confers its specific biologic action and is responsible for interaction with the LH receptor. This beta subunit contains the same amino acids in sequence as the beta subunit of hCG and both stimulate the same receptor, however, the hCG beta subunit contains an additional 24 amino acids and the hormones differ in the composition of their sugar moieties. LH is synthesized and secreted by gonadotrophs in the anterior lobe of the pituitary gland. In concert with the other pituitary gonadotropin follicle-stimulating hormone (FSH), it is necessary for proper reproductive function. In the female, an acute rise of LH levels triggers ovulation. In the male, where LH has also been called Interstitial Cell-Stimulating Hormone (ICSH), it stimulates Leydig cell production of testosterone. LH is a useful marker in classification of pituitary tumors and the study of pituitary disease.
Gene ID:	1081
UniProt:	P01215

Application Details

Application Notes:	Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min RT Optimal dilution of the Luteinizing Hormone alpha antibody should be determined by the researcher.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.1 mg/mL BSA and 0.05 % sodium azide
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
Storage Comment:	Aliquot and Store at -20C. Avoid freez-thaw cycles.