Product Informatiion Sheet

Polyclonal Anti- Cytokeratin 8, *CK8* (Magnetic Bead Conjugate)

Catalogue No. PA1240-M

Lot No. 09F01

Ig type: rabbit IgG1

Size: 100µg/Vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human CK8, different to the related rat sequence by a single amino acid.

Purification

Immunogen affinity purified

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

Storage

Store at 4˚C for frequent use.

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Cytokeratin 8 (CK8), also known as Keratin 8 (K8), is a type II keratin. Among the various intermediate filament (IF) proteins, cytokeratin 8 (CK8) is especially remarkable as it is produced early in embryogenesis, is the only type-II CK occurring in many simple epithelial cells, and can also be synthesized in certain non-epithelial cells.[1] Cytokeratin 8 mRNA was abundant in fetal small intestine, placenta, pancreas, lung, liver, and kidney. Levels of cytokeratin 8 mRNA in placenta increased slightly during pregnancy.[2] He et al. (2002) presented evidence that K8 is a new cytoplasmic target for JNK in Fas receptor-mediated signaling. The functional significance of this phosphorylation could relate to regulation of JNK signaling and/or regulation of keratin dynamics.[3]

REFERENCE

1. Krauss, S.; Franke, W. W. : Organization and sequence of the human gene encoding cytokeratin 8. *Gene* 86: 241-249, 1990.
2. Yamamoto, R.; Kao, L.-C.; McKnight, C. E.; Strauss, J. F., III : Cloning and sequence of cDNA for human placental cytokeratin 8: regulation of the mRNA in trophoblastic cells by cAMP. *Molec. Endocr.* 4: 370-374, 1990.
3. He, T.; Stepulak, A.; Holmstrom, T. H.; Omary, M. B.; Eriksson, J. E. : The intermediate filament protein kinase 8 is a novel cytoplasmic substrate for c-Jun N-terminal kinase. *J. Biol. Chem.* 277: 10767-10774, 2002.