



## Product Information Sheet

### **Polyclonal Anti-Heat Shock Protein 40, HSP40 (Magnetic Bead Conjugate)**

**Catalogue No.** PA1043-M

**Lot No.** 03A01

**Ig type:** rabbit IgG

**Size:** 100µg/vial

**Specificity**

Human, mouse, rat.

No cross reactivity with other proteins.

**Recommended application**

ImmunoPrecipitation (IP)

**Immunogen**

A peptide mapping at the C-terminal end of human HSP40, different from the related rat and mouse sequence by two amino acids.

**Purity**

Immunogen affinity purified.

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**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**

The Hsp40 (heat shock protein with molecular size of approximately 40 kDa) is one of the mammalian homologues of bacterial DnaJ heat shock protein. Ohtsuka (1993) isolated a cDNA encoding a 40-kD heat-shock protein designated HSPF1. The deduced 340-amino acid HSPF1 protein is 34% identical to E. coli DnaJ and 34% and 36% identical to HSJ1 and HSJ2, respectively. HSPF1 gene spans over 7 kb and contains 3 exons and 2 introns. HSPF1 gene is mapped to chromosome 19p13.2.

### **REFERENCE**

Hata, M.; Okumura, K.; Seto, M.; Ohtsuka, K. : Genomic cloning of a human heat shock protein 40 (Hsp40) gene (HSPF1) and its chromosomal localization to 19p13.2. *Genomics* 38: 446-449, 1996.