

## Anti human SHP mouse monoclonal antibody

SHP: small heterodimer partner

**Code No** PP-N7519-00

**Clone No.** N7519

**Lot.** A-1

**Concentration** 1mg/mL

**Volume** 100µL

**Ig Class** G1

**Description** SHP (NR0B2) is an orphan receptor. SHP is expressed in liver and at lower level in heart, adrenal gland, spleen and pancreas. Since SHP binds to several receptors, including retinoid receptors RAR, RXR and thyroid hormone receptor, the function is suggested as a negative regulator of receptor-dependent signaling pathways.

**Nomenclature** NR0B2

**Genbank** L76571

**Origin** Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with E.coli-expressed recombinant human SHP (1-257 aa)

**Specificity** This antibody specifically recognizes human SHP. Not yet tested in other species.

**Purification** Ammonium sulfate fractionation.

**Formulation** Physiologic saline with 0.1 % NaN<sub>3</sub>.

### Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

**Western Blot** 1µg/mL

**Non reducing Western Blot** 3µg/mL

**ELISA** 0.5µg/mL (A280=1)

**Immunoprecipitation** Not yet tested

**Supershift Assay** Not yet tested

**Chromatin immunoprecipitation** Not yet tested

**Immunohistochemistry** Not yet tested

**Storage** Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

### Reference

**Notes** Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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