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<b>Catalog Number:</b>	GT15237	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity purified	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Purified, NS0-derived, recombinant human mature Sortilin (rhSortilin; aa 78 - 755; Accession # Q99523) extracellular domain.	<b>Format:</b>	Liquid 1mg/ml Phosphate-buffered saline (PBS) with 5% trehalose.
<b>Applications:</b>	Immunohistochemistry : 2-15 µg/mL (cultured cells) Western Blot: 0.1-0.2 µg/mL Neutralization of Binding: 3-9 µg/mL Direct ELISA: 0.5 - 1.0 µg/mL		
<b>Storage:</b>	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

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### Application Notes

#### Specificity

This antibody has been selected for its ability to work in the applications listed below.

#### Immunohistochemistry

This antibody will detect human Sortilin in cells and tissues. The working dilution is 2 - 15 µg/mL.

#### Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human and mouse Sortilin. The detection limit for rhSortilin and rmSortilin is approximately 10 ng/lane under non-reducing and reducing conditions.

#### Blocking of receptor-ligand interaction

Approximately 3 - 9 µg/mL of this antibody will block 50% of the binding of 200 ng/mL of rhβ-NGF to immobilized rhSortilin/Fc (100 µL of a 4 µg/mL solution was coated in each well) in a functional ELISA. At 260 µg/mL, this antibody will achieve 100% blocking in the assay.

#### Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human and mouse Sortilin. The detection limit for rhSortilin and rmSortilin is approximately 1 ng/well.

**FOR RESEARCH USE ONLY**

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