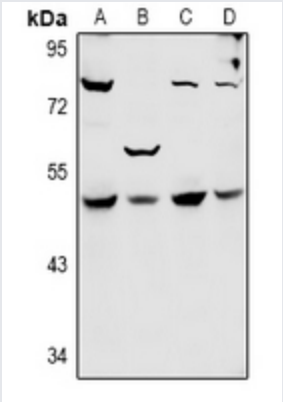
# SYT11 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | SYT11, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-SYT11 Antibody |
| **Product Gene Name** | anti-SYT11 antibody |
| **Product Synonym Names** | KIAA0080; Synaptotagmin-11; Synaptotagmin XI; SytXI |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Purity/Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Concentration** | 1mg/mL (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid repeated freeze/thaw cycles. |
| **Molecular Weight** | 48,297 Da |
| **Chromosome Location** | Chromosome: 1; NC_000001.10 (155829260..155854990). Location: 1q21.2 |
| **OMIM** | 608741 |
| **3D Structure** | ModBase 3D Structure for Q9BT88 |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SYT11. The exact sequence is proprietary. |
| **Product Categories/Family for anti-SYT11 antibody** | Primary antibodies |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Applications Tested/Suitable for anti-SYT11 antibody** | Western Blot (WB) |
| **Application Notes for anti-SYT11 antibody** | WB: 1:500-1:1000 |
| **Related Product Information for anti-SYT11 antibody** | MBS4507247 is an antibody targeting SYT11. Also known as Rabbit anti-SYT11 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-SYT11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Western Blot (WB) of anti-SYT11 antibody**
Western blot analysis of SYT11 expression in Hela (A), A549 (B), CT26 (C), PC12 (D) whole cell lysates.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYT11. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 216548478 |
| **NCBI GeneID** | 23208 |
| **NCBI Accession #** | NP_689493.3 |
| **UniProt Primary Accession #** | Q9BT88 |
| **UniProt Secondary Accession #** | Q9R0N3; O08835 |
| **UniProt Related Accession #** | Q9BT88 |
| **GenBank Nucleotide #** | NM_152280.4 |
| **NCBI Official Full Name** | synaptotagmin-11 |
| **NCBI Official Synonym Full Names** | synaptotagmin XI |
| **NCBI Official Symbol** | SYT11 |
| **NCBI Official Synonym Symbols** | SYT12; sytXI |
| **UniProt Protein Name** | Synaptotagmin-11 |
| **UniProt Synonym Protein Names** | Synaptotagmin XI |
| **Protein Family** | Synaptotagmin |
| **UniProt Gene Name** | SYT11 |
| **UniProt Synonym Gene Names** | KIAA0080; SytXI |
| **UniProt Entry Name** | SYT11_HUMAN |
| **NCBI Protein Information** | synaptotagmin-11; synaptotagmin 12 |
| **NCBI Summary for SYT11** | This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that are known calcium sensors and mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. The encoded protein is also a substrate for ubiquitin-E3-ligase parkin. The gene has previously been referred to as synaptotagmin XII but has been renamed synaptotagmin XI to be consistent with mouse and rat official nomenclature. [provided by RefSeq, Apr 2010] |

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| **UniProt Comments for SYT11** | SYT11: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Belongs to the synaptotagmin family.<br><br>Protein type: Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 1q21.2<br><br>Cellular Component: synaptic vesicle; synaptic vesicle membrane; integral to plasma membrane; cell junction<br><br>Molecular Function: protein binding; calcium-dependent phospholipid binding; transporter activity; calcium ion binding<br><br>Biological Process: transport; negative regulation of neurotransmitter secretion |
| **Research Articles on SYT11** | **1.** Clinical trial of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator) |
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