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**VGLUT 2**

**Cat.No. 135 404; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)**

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**TO BE USED IN VITRO / FOR RESEARCH ONLY**

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The vesicular glutamate transporter 2 VGLUT 2, also referred to as DNPI and SLC17A6, has a more restricted expression than the related VGLUT 1. Like VGLUT 1, it is both necessary and sufficient for uptake and storage of glutamate and thus comprises the sole determinant for a glutamatergic phenotype. Both VGLUTs are different from the plasma membrane transporters in that they are driven by a proton electrochemical gradient across the vesicle membrane. VGLUT 1 and VGLUT 2 show complementary expression patterns. Together, they are currently the best markers for glutamatergic nerve terminals and glutamatergic synapses.