



# Anti-HTR7 polyclonal antibody (DPAB-DC1637)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human HTR7. The sequence is QNADYCRKKGHDS  |
| <b>Source/Host</b>         | Goat  |
| <b>Species Reactivity</b>  | Human   |
| <b>Purification</b>        | Antigen affinity purification   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB (Cell lysate), ELISA,  |
| <b>Format</b>              | Liquid  |
| <b>Concentration</b>       | 0.5 mg/mL   |
| <b>Size</b>                | 100 µg  |
| <b>Buffer</b>              | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)   |
| <b>Preservative</b>        | 0.02% Sodium Azide  |
| <b>Storage</b>             | Store at -20°C. Aliquot to avoid repeated freezing and thawing.   |

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">HTR7 5-hydroxytryptamine (serotonin) receptor 7, adenylate cyclase-coupled [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b>     | HTR7  |
| <b>Synonyms</b>            | HTR7; 5-hydroxytryptamine (serotonin) receptor 7, adenylate cyclase-coupled; 5-HT7; 5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT-X; 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled); |
| <b>Entrez Gene ID</b>      | <a href="#">3363</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_000863</a>   |
| <b>UniProt ID</b>          | <a href="#">P34969</a>  |
| <b>Chromosome Location</b> | 10q21-q24   |
| <b>Pathway</b>             | Amine ligand-binding receptors; Calcium signaling pathway; G alpha (s) signalling events; GPCR ligand binding   |
| <b>Function</b>            | serotonin receptor activity;  |