

**DYRK2 rabbit pAb****Cat#: orb771827 (Manual)**

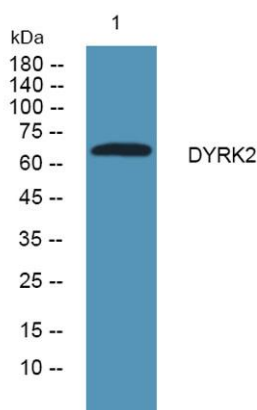
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|                                 |                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>             | DYRK2 rabbit pAb                                                                                                      |
| <b>Host species</b>             | Rabbit                                                                                                                |
| <b>Applications</b>             | WB;ELISA                                                                                                              |
| <b>Species Cross-Reactivity</b> | Human;Mouse                                                                                                           |
| <b>Recommended dilutions</b>    | WB 1:500-2000 ELISA 1:5000-20000                                                                                      |
| <b>Immunogen</b>                | Synthesized peptide derived from human protein . at AA range: 320-400                                                 |
| <b>Specificity</b>              | DYRK2 Polyclonal Antibody detects endogenous levels of protein.                                                       |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide..                                                       |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.                                                                    |
| <b>Protein Name</b>             | Dual specificity tyrosine-phosphorylation-regulated kinase 2 (EC 2.7.12.1)                                            |
| <b>Gene Name</b>                | DYRK2                                                                                                                 |
| <b>Cellular localization</b>    | Cytoplasm. Nucleus. Translocates into the nucleus following DNA damage.                                               |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Clonality</b>                | Polyclonal                                                                                                            |

|                                |         |
|--------------------------------|---------|
| <b>Concentration</b>           | 1 mg/ml |
| <b>Observed band</b>           | 66kD    |
| <b>Human Gene ID</b>           | 8445    |
| <b>Human Swiss-Prot Number</b> | Q92630  |
| <b>Alternative Names</b>       |         |

### Background

DYRK2 belongs to a family of protein kinases whose members are presumed to be involved in cellular growth and/or development. The family is defined by structural similarity of their kinase domains and their capability to autophosphorylate on tyrosine residues. DYRK2 has demonstrated tyrosine autophosphorylation and catalyzed phosphorylation of histones H3 and H2B in vitro. Two isoforms of DYRK2 have been isolated. The predominant isoform, isoform 1, lacks a 5' terminal insert. [provided by RefSeq, Jul 2008],



**Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4°C over night**