

# PIR antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10545

## Product Information

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|--------------------------|-------------------------------------------------------|
| <b>Application</b>       | WB, IHC                                               |
| <b>Primary Accession</b> | <a href="#">O00625</a>                                |
| <b>Other Accession</b>   | <a href="#">NM_003662</a> , <a href="#">NP_003653</a> |
| <b>Reactivity</b>        | Human, Mouse, Rat, Pig, Dog, Bovine                   |
| <b>Predicted</b>         | Human, Mouse, Rat, Dog, Bovine                        |
| <b>Host</b>              | Rabbit                                                |
| <b>Clonality</b>         | Polyclonal                                            |
| <b>Calculated MW</b>     | 32113                                                 |

## Additional Information

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|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                      | 8544                                                                                                                                                                                          |
| <b>Other Names</b>                  | Pirin, 1.13.11.24, Probable quercetin 2, 3-dioxygenase PIR, Probable quercetinase, PIR                                                                                                        |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                             |
| <b>Reconstitution &amp; Storage</b> | Add 100 ul of distilled water. Final anti-PIR antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| <b>Precautions</b>                  | PIR antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                            |

## Protein Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | PIR                                                                                                                                                                                                                                                                                         |
| <b>Function</b>          | Transcriptional coregulator of NF-kappa-B which facilitates binding of NF-kappa-B proteins to target kappa-B genes in a redox- state-dependent manner. May be required for efficient terminal myeloid maturation of hematopoietic cells. Has quercetin 2,3-dioxygenase activity (in vitro). |
| <b>Cellular Location</b> | Nucleus. Cytoplasm Note=Predominantly localized in dot-like subnuclear structures Cytoplasmic localization of PIR seems to positively correlate with melanoma progression.                                                                                                                  |
| <b>Tissue Location</b>   | Highly expressed in a subset of melanomas. Detected at very low levels in most tissues (at protein level). Expressed in all tissues, with highest level of                                                                                                                                  |

expression in heart and liver

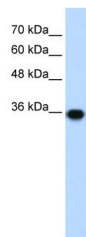
## References

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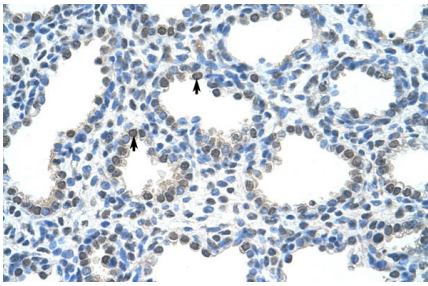
Adams,M. (2005) J. Biol. Chem. 280 (31), 28675-28682 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-PIR Antibody Titration: 1.25ug/ml  
Positive Control: HepG2 cell lysate



Human Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.