

***c-erbB-2 / HER-2 / neu (Clone EP1045Y)*****Rabbit Monoclonal Antibody****Cat. #RM-2112-S0 or -S (0.1ml or 1.0ml Supernatant)****Cat. #RM-2112-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)**

**Comments:** HER2 gene encodes a transmembrane glycoprotein with tyrosine kinase activity. It is closely related in structure to the epidermal growth factor receptor *c-erbB-3/HER3/neu* oncoprotein. The protein is detectable in a subset of breast and other carcinomas (urinary bladder, stomach, lung, endometrium and ovary).

**Mol. Wt. of Antigen:** 185kDa

**Species Reactivity:** Must be determined by the investigator.

**Clone Designation:** EP1045Y

**Ig Isotype / Light Chain:** Rabbit IgG

**Immunogen:** A synthetic peptide corresponding to the c-terminus of human Her2

***Applications and Suggested Dilutions:***

Analyte Specific Reagent. Analytical and performance characteristics are not established. Optimal dilutions must be established by the investigator.

**Positive Control:** Must be determined by the investigator.

**Cellular Localization:** Must be determined by the investigator.

***Supplied As:***

Tissue culture supernatant with 15mM sodium azide.

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Storage and Stability:** Ab with sodium azide is stable for 24 months when stored at 2-8°C.

***Limitations and Warranty:***

This product is an Analyte Specific Reagent. Analytical and performance characteristics are not established. The use of this reagent is restricted to clinical laboratories certified to perform

high complexity testing under CLIA 88 regulations. Each laboratory must validate the product for its own use. This product is not intended for therapeutic procedures. No claims are made or implied about the diagnostic value of this product. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

***Material Safety Data:***

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

***Analyte Specific Reagent***