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DATA SHEET

Rabbit Anti-EGFR (L858R Mutant Specific) [MD27R]: RM0330, RM0330RTU7

Intended Use: For Research Use Only

Description: Two types of mutations account for approximately 90% of mutated cases: a specific point mutation, L858R, which occurs in exon 21 and short in-frame deletions in exon 19. A common lesion in exon 19 is the deletion of E746-A750, although other variants occur. IHC-based EGFR E746-A750del specific antibody is designed to detect deletion of E746-A750 in exon 19. Deletion in exon 19 is associated with response of non-small cell lung carcinoma (NSCLC) to gefitinib or erlotinib monotherapy.

Specifications:

Clone:	MD27R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Synthetic peptide of EGFR residues aa800-900 (mutated L858R)
Localization:	Cytoplasm, membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C.
Applications:	IHC

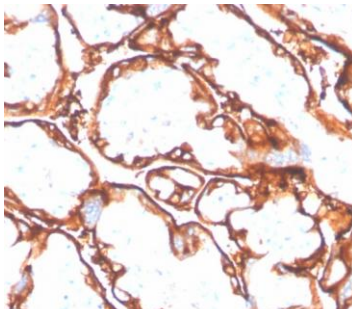
Package:

Description	Catalog No.	Size
EGFR (L858R Mutant Specific) Concentrated	RM0330	1 ml
EGFR (L858R Mutant Specific) Prediluted	RM0330RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Lung carcinoma L858R mutant specific
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human placenta stained with anti-EGFR (L858R mutant specific) using DAB

References:

1. Special AT-rich sequence-binding protein-1 participates in the maintenance of breast cancer stem cells through regulation of the Notch signaling pathway and expression of Snail1 and Twist1. Sun, Z. et al. Molecular medicine reports. 11: 3235-542, 2015.
2. The jagged-2/notch-1/hes-1 pathway is involved in intestinal epithelium regeneration after intestinal ischemia-reperfusion injury. Chen, G. et al. PloS one, 2013.
3. Targeting the FOXO1/KLF6 axis regulates EGFR signaling and treatment response. Sangodkar, J., Dhawan, N. S., et al. In The Journal of Clinical Investigation on 1 July, 2012.

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