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[Marker Primary Antibody]

Rabbit Anti-PIG54/Cy3 Conjugated antibody

Catalog Number: SL6937R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-PIG54/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human SCC112/PIG54
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Sheep)
Background:	background: Probable regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. May couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. **Function:** Probable regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. May couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. **Subunit:** Interacts with the cohesin complex. Interacts with WAPAL (via FGF motifs) or CDCA5 (via the FGF motif); the interaction is direct, cohesin-dependent and competitive. Interacts with SMC3. Interacts with TP63. **Subcellular Location:** Nucleus. Associated with chromatin through most of the cell cycle. Dissociates from chromatin in late prophase, reassociates during

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	late telophase. **Tissue Specificity:** Highest level in colon. Low levels in lung, ovary, breast and kidney. Reduced level in renal tumor tissue. Isoform 2 is expressed in kidney. **Similarity:** Belongs to the PDS5 family. Contains 1 HEAT repeat. **Database links:** UniProtKB/Swiss-Prot: Q29RF7.1 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.